

20011120.qrp v02_n379.qrl.20011120

Date: Tue, 20 Nov 2001 19:03:05 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2379

QRP-L Digest 2379

Topics covered in this issue include:

- 1) [112242] www.eQSL.cc
by "Karl F. Larsen" <k5di@zianet.com>
- 2) [112243] Tek 466 or 465 power supply schematic?
by Brad Mitchell <n8yg@yahoo.com>
- 3) [112244] FG/N4CD - 14.028 @ 0009Z
by David Gauding <david.gauding@bbs.galilei.com>
- 4) [112245] SS SSB N0UR SO QRP
by "Jim N0UR" <n0ur@mediaone.net>
- 5) [112246] Re: More JUNO troubles
by adamvaz@palm.net (Adam Vazquez)
- 6) [112247] VFO stability advice?
by Jim Glover <psykey@okcforum.org>
- 7) [112248] Re: www.eQSL.cc
by Thomas Kuehl <ac7a@gci-net.com>
- 8) [112249] 6M SSB
by Brock Thomsen <Brock@ashcreektrading.com>
- 9) [112250] Re: More JUNO troubles
by "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>
- 10) [112251] Re: Tek 466 or 465 power supply schematic?
by baltimoremd@baltimoremd.com
- 11) [112252] Re: More JUNO troubles
by "George, W5YR" <w5yr@att.net>
- 12) [112253] RE: VFO stability advice?
by Nick Kennedy <nkennedy@tcainternet.com>
- 13) [112254] Re: mobile antennas
by "Dave Benson" <nn1g@earthlink.net>
- 14) [112255] RE: IRF510 vs. IRF511??
by Nick Kennedy <nkennedy@tcainternet.com>
- 15) [112256] Re: More JUNO troubles
by baltimoremd@baltimoremd.com
- 16) [112257] Re: VFO stability advice?
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 17) [112258] RE: Portable QRP Rig
by "Kory Hamzeh" <kory@avatar.com>
- 18) [112259] Re: VFO stability advice?
by Jim Glover <psykey@okcforum.org>
- 19) [112260] Scope value

- by David Adams <david@theadamsclan.com>
- 20) [112261] Re: VFO stability advice?
by "Mike Branca" <w3irz@att.net>
- 21) [112262] Re: My ears
by Bob Nielsen <nielsen@oz.net>
- 22) [112263] Re: My ears
by Bruce Rattray <rattray@gpfn.sk.ca>
- 23) [112264] P5/4L4FN
by Bruce Rattray <rattray@gpfn.sk.ca>
- 24) [112265] QRPedition(s) to Marriott Island!
by "N7SG K7FD" <k7fd@hotmail.com>
- 25) [112266] Re: VFO stability advice?
by Bob Liesenfeld <wb0poq@visi.com>
- 26) [112267] HC8N - 7.007 @ 0254Z
by David Gauding <david.gauding@bbs.galilei.com>
- 27) [112268] Current-Limiting IC
by Andrew Madsen <andrew@utahdesign.com>
- 28) [112269] Parts again, new ones this time
by "Brian Murrey" <brian@iquiest.net>
- 29) [112270] Cudo's to NJQRP & Joe Everhart
by "Donald Philbin" <donaldphilbin@hotmail.com>
- 30) [112271] Re: mobile antennas
by Bruce Muscolino <w6toy@erols.com>
- 31) [112272] Re: www.eQSL.cc
by Bruce Muscolino <w6toy@erols.com>
- 32) [112273] Re: Current-Limiting IC
by "ZOOM" <kandrparker@sympatico.ca>
- 33) [112274] RE: www.eQSL.cc
by "Blake M. Meinecke" <n4gi@tampabay.rr.com>
- 34) [112275] Re: RCA Impedance Bump
by WE7X@aol.com
- 35) [112276] Re: More JUNO troubles
by David Hinerman <wd8civ@worldnet.att.net>
- 36) [112277] Re: FS 2 Variable Caps
by "Rod N0RC" <rod@n0rc.com>
- 37) [112278] RE: www.eQSL.cc
by "Len Revelle" <lenrev@ameritech.net>
- 38) [112279] Re: www.eQSL.cc
by Bruce Muscolino <w6toy@erols.com>
- 39) [112280] FS - Various
by Radioham <radioham@home.com>
- 40) [112281] Re: Current-Limiting IC
by WE7X@aol.com
- 41) [112282] Re: Portable QRP Rig
by WE7X@aol.com
- 42) [112283] RE: www.eQSL.cc
by "Dennis Ponsness" <wb0wao@hotmail.com>
- 43) [112284] Re: P5/4L4FN

by Bob Nielsen <nielsen@oz.net>
44) [112285] Go QRP! on 30m
by "Adrian Weiss" <aweiss@usd.edu>
45) [112286] Problems receiving QRP-L messages via JUNO
by Mark Fields <mark_ke5my@juno.com>
46) [112287] Re: www.eQSL.cc
by Bill ROWLETT <kc4atu@yahoo.com>
47) [112288] Another Juno alternative: QSL.NET!
by "Rod N0RC" <rod@n0rc.com>
48) [112289] FT: Red Hot 40
by "Pastor-KC1DI" <elbc@pivot.net>
49) [112290] Re: www.eQSL.cc
by "Karl F. Larsen" <k5di@zianet.com>
50) [112291] Re: Another Juno alternative: QSL.NET!
by "Karl F. Larsen" <k5di@zianet.com>
51) [112292] Xtal for TT-2
by "Jim Stamper" <jstamper@shentel.net>
52) [112293] Re: RCA Impedance Bump
by "Karl F. Larsen" <k5di@zianet.com>
53) [112294] Re: www.eQSL.cc
by "Jim Stamper" <jstamper@shentel.net>
54) [112295] Re: Another Juno alternative: QSL.NET!
by "Bud Haynes" <KV7G@prodigy.net>
55) [112296] Re: Another Juno alternative: QSL.NET!
by "Rod N0RC" <rod@n0rc.com>
56) [112297] Re: Xtal for TT-2
by WE7X@aol.com
57) [112298] My JUNO...is back up!
by WE7X@aol.com
58) [112299] Re: Another Juno alternative: QSL.NET!
by W2AGN <w2agn@pobox.com>
59) [112300] Re: Xtal for TT-2
by W2AGN <w2agn@pobox.com>
60) [112301] Re: Portable QRP Rig
by "Mike Yetsko" <myetsko@insydesw.com>
61) [112302] Re: Portable QRP Rig
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
62) [112303] RE: www.eQSL.cc
by "Len Revelle" <lenrev@ameritech.net>
63) [112304] Re: www.eQSL.cc
by "Lee Mairs" <lmairs@cox.rr.com>
64) [112305] Re: www.eQSL.cc
by "Ed Manuel (N5EM)" <n5em@flash.net>
65) [112306] re: portable QRP rig
by "Caitlyn M. Martin" <ku4qd@qsl.net>
66) [112307] Re: hearing problems (old topic)
by <igeq100@iupui.edu>
67) [112308] Re: www.eQSL.cc

by "Rod N0RC" <rod@n0rc.com>
68) [112309] Re: Bone conduction headsets
by Jake Brodsky <frussle@erols.com>
69) [112310] Re: Portable QRP Rig
by Dave Gingrich K9DC <gingrich2@dcg.org>
70) [112311] Re: www.eQSL.cc
by "Karl Rifenbark" <n7dma@mindspring.com>
71) [112312] Re: www.eQSL.cc
by Bruce Rattray <rattray@gpfn.sk.ca>
72) [112313] Re: www.eQSL.cc
by "Rod N0RC" <rod@n0rc.com>
73) [112314] FOX N0RC Final Log
by "Rod N0RC" <rod@n0rc.com>
74) [112315] Bone conduction headsets-order info
by "Ed Tanton" <n4xy@att.net>
75) [112316] psk31 computer to rig interfaces.
by "Rod N0RC" <rod@n0rc.com>
76) [112317] OT: computer
by David Heintzleman <pstrdave@kdsi.net>
77) [112318] RE: computer
by Fairbairn Bob-C12509 <Bob.Fairbairn@motorola.com>
78) [112319] Charging NiMH Batteries
by "Brice D. Hornback" <bdh@cyberbound.net>
79) [112320] Re: psk31 computer to rig interfaces.
by "DTX" <dtx@wood.tzo.com>
80) [112321] I need a schematic of a triplite PR-25a power supply
by Ron Keener <rkeener@realtime.net>
81) [112322] Michigan QRP Net Tuesday Nidgts at 9:00 PM Eastern time on 3.535
MHz
by "Kwik, Ed " <ed.kwik@delphiauto.com>
82) [112323] I can Hear Again!
by "Karl F. Larsen" <k5di@zianet.com>
83) [112324] Tuesday night New England QRP SSB NET 19:30 EST
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
84) [112325] Re: www.eQSL.cc
by Bruce Muscolino <w6toy@erols.com>
85) [112326] Re: Tuesday night New England QRP SSB NET 19:30 EST
by Dave Gingrich K9DC <gingrich2@dcg.org>
86) [112327] Re: www.eQSL.cc
by Bob Nielsen <nielsen@oz.net>
87) [112328] Re: psk31 computer to rig interfaces.
by David Hinerman <WD8CIV@worldnet.att.net>
88) [112329] Re: Tuesday night New England QRP SSB NET 19:30 EST
by "Mike Yetko" <myetsko@insydesw.com>
89) [112330] Re: psk31 computer to rig interfaces.
by "ZOOM" <kandrparker@sympatico.ca>
90) [112331] Re: I can Hear Again!
by IamSF5@aol.com

- 91) [112332] Re: Charging NiMH Batteries
by "Leon Heller" <leon_heller@hotmail.com>
- 92) [112333] OT: Computer
by David Heintzleman <pstrdave@kdsi.net>
- 93) [112334] 6 Meters is open again!!
by "Tim A. King Jr." <iflyos@hotmail.com>
- 94) [112335] [OT] FS: NJQRP PSK-80 Warbler Kit and Misc.
by "Mike Melland" <w9wis@charter.net>
- 95) [112336] FS: MFJ QRP Rigs
by NV9Z@aol.com
- 96) [112337] Re: Current-Limiting IC
by Steven Weber <kd1jv@moose.ncia.net>
- 97) [112338] Re: 6 Meters is open again!!
by Garie Halstead <k8kfj@ntelos.net>
- 98) [112339] Holiday Milliwatt contest
by Bob Kellogg <ae4ic@nr.infi.net>
- 99) [112340] 160m QRP success?
by ARDUJENSKI@aol.com
- 100) [112341] 26MHZ Xtal
by Davewb4@aol.com
- 101) [112342] 160M success? (was from Alan KB7MBI)
by ARDUJENSKI@aol.com
- 102) [112343] Re: 160m QRP success?
by Dave Gingrich K9DC <gingrich2@dcg.org>
- 103) [112344] [OT] Iambic keys FS
by "Mike Melland" <w9wis@charter.net>
- 104) [112345] RE: www.eQSL.cc
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 105) [112346] Re: Hers what i'm up against Heads up antenna experts
by Bill Coleman <aa4lr@arrl.net>
- 106) [112347] RE: Hers what i'm up against Heads up antenna experts
by Bill Coleman <aa4lr@arrl.net>
- 107) [112348] Re: www.eQSL.cc
by Bruce Muscolino <w6toy@erols.com>
- 108) [112349] Re: 160m QRP success?
by Dave Gingrich K9DC <gingrich2@dcg.org>
- 109) [112350] Re: Hers what i'm up against Heads up antenna experts
by Bill Coleman <aa4lr@arrl.net>
- 110) [112351] VK8NL
by "Karl F. Larsen" <k5di@zianet.com>
- 111) [112352] Re: 160m QRP success?
by David Gauding <david.gauding@bbs.galilei.com>
- 112) [112353] RE: www.eQSL.cc
by "Karl F. Larsen" <k5di@zianet.com>
- 113) [112354] Re: Hers what i'm up against Heads up antenna experts
by Bruce Muscolino <w6toy@erols.com>
- 114) [112355] KL7Y and SS - Just for fun (JFF) - long
by Jim Larsen AL7FS <AL7FS@ARRL.NET>

115) [112356] RE: www.eQSL.cc
by "Blake M. Meinecke" <n4gi@tampabay.rr.com>
116) [112357] Re: Another Juno alternative: QSL.NET!
by baltimoremd@baltimoremd.com
117) [112358] Re: 160m QRP
by "ss lyon" <sslyon@megalink.net>

Date: Mon, 19 Nov 2001 17:08:12 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [112242] www.eQSL.cc
Message-ID: <Pine.LNX.4.33.0111191701490.2893-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I got (printed out) and sent 4 QSL cards just now on that eQSL system. I cannot imagine why ARRL doesn't trust them. I expect it's a not invented here syndrom. They sure do a brisk business since you can reach it from almost any country in the world.

They had a vote thing in a sidebar and it was "are you a ARRL Member?" and 67% of those who answered are.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Mon, 19 Nov 2001 16:06:07 -0800 (PST)
From: Brad Mitchell <n8yg@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [112243] Tek 466 or 465 power supply schematic?
Message-ID: <20011120000607.32438.qmail@web14706.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi All,
I have a tektronix 466 oscilloscope that died.
I replaced it with another scope, but would like to fix the 466 as a backup.
Doe anybody have a power supply schematic that they

could scan and e-mail?
I'm not willing to spend the \$ on a manual when I
could
buy another scope for 2x the manual cost.

73
Brad N8YG

Do You Yahoo!?
Find the one for you at Yahoo! Personals
<http://personals.yahoo.com>

Date: Mon, 19 Nov 2001 18:12:20 -0600
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [112244] FG/N4CD - 14.028 @ 0009Z
Message-ID: <5.1.0.14.0.20011119180926.00a20e20@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

FG/N4CD - 14.028 @ 0009Z

Up about 2 - medium speed - no waiting - 579 into Midwest.

Used Argosy II and 1 watt to St. Louis Express portable vertical.

DX calling CQ at 0011Z.

Good luck,

de Dave, NF0R nf0r@slacc.com

Date: Mon, 19 Nov 2001 18:30:10 -0600
From: "Jim N0UR" <n0ur@mediaone.net>
To: "MWA" <MN-WIRELESS-ASSN@makelist.com>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [112245] SS SSB N0UR SO QRP
Message-ID: <000501c1715a\$83834ca0\$35552942@mn.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

ATT offers a plan called i495 (150 hours a month for 4.95 USD, the
gotcha every minute over is .99 / minute.
Great service ! CDs are available in their Wireless stores.

Adam Kb2jpd

k5di@zianet.com wrote on 11/15/01 8:21 am:

I don't know where you live, but almost everywhere there are good
small ISP's that offer good internet service 99% of the time, both
e-mail
and web. The standard price is around \$20/mo which is pretty
cheap...less
than a dollar a day.

If that is too much to pay then Juno or Blue Light, two companies
who are trying to make money with advertisements and not succeeding
right
now are your only service. They will loose mail. I sug

Date: Mon, 19 Nov 2001 18:56:09 -0600
From: Jim Glover <psykey@okcforum.org>
To: qrp-l@lehigh.edu
Subject: [112247] VFO stability advice?
Message-ID: <200111200056.fAK0u9x13873@okcforum.org>

I'm planning to build a VFO for 40 meters, and I have a few questions.

I've read that it's not a good idea to use double-sided PC board for
VFO's. The reason given is that the double layer of copper with the board
in the middle creates a capacitor connecting various parts of the circuit,
and a fairly unstable capacitor, at that. I find myself wondering if
this advice applies if you're not making a traditional PC board, but
instead are using the PC board as a foundation for "ugly" construction,
Manhattan, or some similar scheme. So, my first question is:

-- If I employ some sort of "ground plane" method of construction which
leaves the top layer of copper intact, is it then OK to use double-sided
PC board to build a VFO, or should it still be avoided?

I've also read that one should avoid the use of air variable capacitors
of aluminum construction, preferring plated brass instead. The idea
behind this one is that aluminum is relatively prone to contraction and
expansion with changing temperatures, which leads to frequency drift.
My remaining questions are:

-- How do I inspect my collection of hamfest air variables to determine which use plated brass construction?

-- If I mess up and use aluminum instead (or it turns out I have nothing else in my junk box) how bad will the results be? Would it be more or less stable than a varistor? Would it be more or less stable than one or more junkbox diodes or transistor junctions pressed into varistor-type service?

Thanks in advance for any advice! (Oh, but I should add... yes, I'm aware that air variable capacitors cost more than varistors, are a lot bulkier, and are a lot harder to find. I happen to have a few on hand, however, and a reduction drive or two, but no varistors or suitable multi-turn pots.)

73,
Jim WB5UDE

Date: Tue, 20 Nov 2001 17:56:05 -0700
From: Thomas Kuehl <ac7a@gci-net.com>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [112248] Re: www.eQSL.cc
Message-ID: <3BF4FBA5.BC2CCE42@gci-net.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl,

As I recall, the ARRL is going to accept them in the not too distant future. They are establishing the acceptance criteria, before the implementation.

But then again, I may have dreamt this up in my mind. A middle age thing . . .

Regards, Thomas - AC7A (Tucson)

"Karl F. Larsen" wrote:

> I got (printed out) and sent 4 QSL cards just now on that eQSL
> system. I cannot imagine why ARRL doesn't trust them. I expect it's a not
> invented here syndrom. They sure do a brisk business since you can reach
> it from almost any country in the world.
>

> They had a vote thing in a sidebar and it was "are you a ARRL
> Member?" and 67% of those who answered are.
>
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> <http://www.qsl.net/k5di/>

Date: Mon, 19 Nov 2001 17:01:37 -0800
From: Brock Thomsen <Brock@ashcreektrading.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [112249] 6M SSB
Message-ID: <5.1.0.14.0.20011119165810.030af008@mail.ashcreektrading.com>
Mime-Version: 1.0
Content-Type: text/html; charset="us-ascii"

<html>

<x-sigsep><p></x-sigsep>
<div align="center">Brock Thomsen

1721 Melody Lane

Bakersfield, CA 93308

KG6GMT

11/19/01

</div>
three JA'S on the FT-817 (5 Watts) SSB using an inverted H 6
is wide open.

God QRP is Fun.

Brock

</html>

Date: Mon, 19 Nov 2001 20:04:14 -0500
From: "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>
To: <adamvaz@palm.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [112250] Re: More JUNO troubles
Message-ID: <001601c1715f\$46d54ba0\$878e4d0c@pavilion>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Adam

The ATT i495 plan is discontinued and replaced by the \$16.95 USD plan and a reduction to 40 hours a month!!! And the "gotcha" of .99/hour remains. This is effective about 10 December. Merry Christmas and God Bless America.....and QRP!

Joe AD4IH

----- Original Message -----

From: "Adam Vazquez" <adamvaz@palm.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, November 19, 2001 07:47 PM
Subject: Re: More JUNO troubles

> ATT offers a plan called i495 (150 hours a month for 4.95 USD, the
> gotcha every minute over is .99 / minute.
> Great service ! CDs are available in their Wireless stores.
>
> Adam Kb2jpd
>
> k5di@zianet.com wrote on 11/15/01 8:21 am:
>
>
> I don't know where you live, but almost everywhere there are good
> small ISP's that offer good internet service 99% of the time, both
> e-mail
> and web. The standard price is around \$20/mo which is pretty
> cheap...less
> than a dollar a day.
>
> If that is too much to pay then Juno or Blue Light, two companies
> who are trying to make money with advertisements and not succeeding
> right
> now are your only service. They will lose mail. I sug

Date: Mon, 19 Nov 2001 20:06:32 -0500 (EST)
From: baltimoremd@baltimoremd.com
To: Brad Mitchell <n8yg@yahoo.com>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [112251] Re: Tek 466 or 465 power supply schematic?
Message-ID: <20011119200535.N21264-1000000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 19 Nov 2001, Brad Mitchell wrote:

> I'm not willing to spend the \$ on a manual when I
> could
> buy another scope for 2x the manual cost.

Then why even fix it...just buy a replacement scope(unless, of course you have too much time on your hands).

thom

Date: Mon, 19 Nov 2001 19:15:46 -0600
From: "George, W5YR" <w5yr@att.net>
To: ad4ih@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [112252] Re: More JUNO troubles
Message-ID: <3BF9AEC2.8DD2F677@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I pay \$21.95 a month for unlimited service which has been exceptionally good and reliable.

No contract and month-by-month payment.

AT&T is one of the best and well worth it.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

JOSEPH PIRKLE wrote:

>
> Adam
>
> The ATT i495 plan is discontinued and replaced by the \$16.95 USD plan and a

> reduction to 40 hours a month!!! And the "gotcha" of .99/hour remains. This
> is effective about 10 December. Merry Christmas and God Bless
> America.....and QRP!

Date: Mon, 19 Nov 2001 19:21:46 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'psykey@okcforum.org'" <psykey@okcforum.org>,
"Low Power Amateur Radio Discussion (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [112253] RE: VFO stability advice?
Message-ID: <01C1712F.6ED15A20.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Jim Glover [SMTP:psykey@okcforum.org]

-- If I employ some sort of "ground plane" method of construction which leaves the top layer of copper intact, is it then OK to use double-sided PC board to build a VFO, or should it still be avoided?

I've had that question occur myself. I've concluded that double sided is OK for manhattan or ugly or other ground plane type construction. I guess if you're concerned, you could jumper the two sides together in a few places, but I don't think it'll make a difference. Likewise, it shouldn't matter if you use crummy phenolic or "good" glass (or better) board material.

-- How do I inspect my collection of hamfest air variables to determine which use plated brass construction?

Scratch on the plate a bit to see if there's anything under the silver (aluminum or whatever plating) outside? Or would you just have to go to the "structure"? Would brass plates mean all brass? I guess once you've seen a few of each type, you'll be able to tell by looking.

-- If I mess up and use aluminum instead (or it turns out I have nothing else in my junk box) how bad will the results be?

That's a good question. I'd like to think that aluminum would be OK except for the most discriminating builder.

--Would it be more or less stable than a varistor? Would it be more or less stable than one or more junkbox diodes or transistor junctions pressed into varistor-type service?

Varistor? Wouldn't that be varicap? (As an aside, I used to say "varactor", but varicap seems to be the general term these days. And I note that a few years back, VVC (voltage variable capacitor?) was common.) Anyway, I think the varicap tuned VFOs are pretty stable if your voltage is very well regulated. Not difficult with available regulators.

---Thanks in advance for any advice! (Oh, but I should add... yes, I'm aware that air variable capacitors cost more than varistors, are a lot bulkier, and are a lot harder to find. I happen to have a few on hand, however, and a reduction drive or two, but no varistors or suitable multi-turn pots.)

Using what you've got! I like that! Hey--use an air wound coil too, while your at it and let us know how it turns out. Got any miniductor stock?

72--Nick, WA5BDU

Date: Mon, 19 Nov 2001 20:04:53 -0800
From: "Dave Benson" <nn1g@earthlink.net>
To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [112254] Re: mobile antennas
Message-ID: <002801c17178\$8350a840\$aee6d73f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bruce-

-----Original Message-----

From: Bruce Muscolino <w6toy@erols.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

.....

>>Now, to the nitty gritty. I ran mobile for several years out in California. 10 meters is not the best band choice at this time. Soon

the sunspot cycle will go away, and you will be talking mostly to yourself!
<snip>

I beg to differ- I can't think of a better time than right now to use 10M! The band's not dead yet- it's not even pining for the fjords. When I come into the shack each morning, I turn on the big rig and Europeans are pouring in on 10 meters. TL, KL7 and HC8 in the log today with 4W to a dipole- easy pickings.

73- Dave Benson, K1SWL

Date: Mon, 19 Nov 2001 19:25:54 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'na5n@rt66.com'" <na5n@rt66.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [112255] RE: IRF510 vs. IRF511??
Message-ID: <01C17130.02B26860.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Good info, Paul. I'm filing this one in my "good technical posts" folder.

How did you do that pulse width control thing? Some kind of digital deal?

72--Nick, WA5BDU

-----Original Message-----
From: Paul Harden, NA5N [SMTP:na5n@rt66.com]
Sent: Sunday, November 18, 2001 12:48 PM
To: Low Power Amateur Radio Discussion
Subject: Re: IRF510 vs. IRF511??

Thus, efficient operation is obtained by sending very narrow pulses to the gate so the drain current only flows for <25% of the time, so your AVERAGE current is <1A to make 5-8W for high efficiency. This also means the output filtering between the IRF510 and the antenna must be different to account for the very low impedance of the mosfet getting

converted up to 50 ohms, and setting values to ensure the drain inductance current is totally exhausted before the next gate drive comes along. On my favorite version, I control the output power, from about .5W to 10W, by varying the pulse width from about 5% to 20% with a front panel control. This also keeps the input impedance relatively constant.

Date: Mon, 19 Nov 2001 20:11:27 -0500 (EST)
From: baltimoremd@baltimoremd.com
To: JOSEPH PIRKLE <ad4ih@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [112256] Re: More JUNO troubles
Message-ID: <20011119200759.A21264-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 19 Nov 2001, JOSEPH PIRKLE wrote:

> Adam
>
> The ATT i495 plan is discontinued and replaced by the \$16.95 USD plan and a
> reduction to 40 hours a month!!! And the "gotcha" of .99/hour remains. This
> is effective about 10 December. Merry Christmas and God Bless
> America.....and QRP!

What really makes sense, if you don't mind dumping on small business, is getting your internet service from the local library(if they offer it), In Baltimore you can get internet access, unlimited for 100 bucks a year.

Amazing how a governmental entity can compete with private enterprize when there's a subsidy.

Thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring
and Drake Mail List Pages

Date: Tue, 20 Nov 2001 01:26:10
From: "Mike WA8BXN" <hubby2k@hotmail.com>

To: psykey@okcforum.org, qrp-1@Lehigh.EDU
Subject: [112257] Re: VFO stability advice?
Message-ID: <F218uSwCGoznxWrwjvz00002369@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

The only capacitance changes from the board you have to worry about with Manhattan construction are those of the pads, keep them small (and thick). Double sided pc board may be best for the board to build on because it may be a little more rigid mechanically. Maybe try a little scratch on the stator plates to check for plated brass? If in doubt, build it anyway, and if it works the way you want, who cares?
73/72 - Mike WA8BXN

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Mon, 19 Nov 2001 17:28:34 -0800
From: "Kory Hamzeh" <kory@avatar.com>
To: <KD5NWA@mbayona.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [112258] RE: Portable QRP Rig
Message-ID: <004101c17162\$ab8a8440\$14ce21c7@avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Although, I don't own a K1 (yet), I do have a K2 and have had at one time or another all of the rigs designed by Wayne. One of my favorite all time QRP rigs is the Wilderness Sierra also designed by Wayne. Multi band, very low current, incredible rx, optional digital readout and keyer. The web page for wilderness radio is <http://www.fix.net/jparker/wild.html>.

Good luck,
Kory
AC6RN

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
> Ham
> Sent: Monday, November 19, 2001 3:07 PM

> To: Low Power Amateur Radio Discussion
> Subject: Portable QRP Rig
>
>
> Hello to everyone in the group, My name is Cecil Bayona and I am studying
> right now for my General license.
> I'm really interested in QRP work but I could use the groups help
> in making
> a decision, My son and I like to go camping and hiking a lot, so
> I'm looking
> to buy a portable rig that can run a long time on battery power.
> Right now I
> own a FT-817 and really like it a lot but it consumes a lot of power so it
> would require a lot of batteries for a several day camping trip.
> So, getting
> down to the topic at hand, I'm considering buying a new rig for
> use on long
> trips away from power, I really like (no experience just specs.)
> the K1 four
> band model from Elecraft. You guys and gals have experience with
> many kinds
> of equipment, what do think of this unit? Any suggestions on alternative
> units. Any help would be appreciated.
>
> By the way if this post twice I apologize, I sent it to the group several
> times and it has not shown up.
>
>
> Thanks
>
> Cecil Bayona
> KD5NWA
>

Date: Mon, 19 Nov 2001 19:30:42 -0600 (CST)
From: Jim Glover <psykey@okcforum.org>
To: nkennedy@tcainternet.com
Cc: psykey@okcforum.org ('psykey@okcforum.org'),
qrp-1@Lehigh.EDU ("Low Power Amateur Radio Discussion (E-mail)")
Subject: [112259] Re: VFO stability advice?
Message-ID: <200111200130.fAK1UgP14020@okcforum.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> --Would it be more or
> less stable than a varistor? Would it be more or less stable than one
> or more junkbox diodes or transistor junctions pressed into varistor-type
> service?
>
> Varistor? Wouldn't that be varicap?

Oops. Wrong word! OK... now everyone who read my original post, y'all
can stop laughing now! ;) (I hate it when that happens!...good thing
is, I used to have no excuse...these days, I'm beginning to almost have
enough years on me to blame it on old age!)

> Using what you've got! I like that! Hey--use an air wound coil too, while
> your at it and let us know how it turns out. Got any miniductor stock?

In fact, that's what I was already planning! No miniductor stock,
unfortunately, so I'll have to wind something by hand. I'll be glad
to gloat about it (or grouse about it, depending on my luck) whenever
the project is complete. You'll all probably have a pretty good idea
of when that is, since I'll have plenty more questions before completion.

Thanks!

73,
Jim WB5UDE

Date: Mon, 19 Nov 2001 17:45:06 -0800
From: David Adams <david@theadamsclan.com>
To: qrp-l@lehigh.edu
Subject: [112260] Scope value
Message-ID: <3BF9B5A2.8000001@theadamsclan.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Anyone have an idea of the going rate on a Phillips PM3394 200MHz,
4-channel, Combiscope? (Combiscope = at the touch of the DSO button it
switches between full analog and full digital mode). I have one excess
to my needs which I am considering selling prior to the move.

73 de dave, n9uxu

Date: Mon, 19 Nov 2001 20:45:45 -0500

From: "Mike Branca" <w3irz@att.net>
To: <qrp-1@lehigh.edu>
Subject: [112261] Re: VFO stability advice?
Message-ID: <02b201c17165\$12db92e0\$c9eb5b0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Jim and all, the double sided board only applies if you are using an etched board. You can use anything for a ground plane if you are using dead bug or manhattan construction.

Don't worry about what your capacitors are made of because you will probably find that other stuff is more important. What is more important in the capacitors is the ground wiper contacts but use what you have see what happens.

I have switched from variable caps to the varactor diodes on all my solid state projects based on the bad experience I had when building the "Georgia Sierra". I started with the variable from an old Heath Q multiplier as it had a gear reduction but I found that I had terrible instability. Then I tried another cap from another Q multiplier with the same result. It was at that point that I switched to a varactor diode and 10 turn pot. It worked beautifully. At 6.0 mhz there was an initial 200 cycle drift in the first minute but it kept within 100 cycles for the rest of the day.

I have found 10 turn pots at hamfests from 1 to 5 bucks. Also Hosfelt sells the MV 1662 (275 pf) at 3 for a buck. Can't get much cheaper than that. Buy an extra set to use for your variable bandwidth IF filter.

Good luck, Mike Branca W3IRZ in Conyers Georgia

Date: Mon, 19 Nov 2001 18:08:00 -0800
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [112262] Re: My ears
Message-ID: <20011119180800.A3145@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Yes it IS Ducie (sorry about that). Anyway, the latest word is that they turned back because of high seas. Hopefully, we'll hear some more encouraging information later.

73, Bob N7XY

On Mon, Nov 19, 2001 at 03:57:07PM -0800, N7SG K7FD wrote:

> Dulcie? I thought it was Ducie...

>

> ...in any event, the pileup is bound to be a Doozie!

>

> 73 John K7FD

>

> >From: Bob Nielsen <nielsen@oz.net>

>

> >Probably your ears are still playing tricks. HC8N (Galapagos) has been

> >quite active over the past few days.

> >

> >The last I heard regarding Dulcie was that they were very near the

> >island, but were experiencing bad weather.

> >

> >Bob

>

>

>

> -----
> Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

--

Bob Nielsen, N7XY

nielsen@oz.net

Bainbridge Island, WA

<http://www.oz.net/~nielsen>

IOTA NA-065, USI WA-028S

Date: Mon, 19 Nov 2001 20:17:51 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>

To: Bob Nielsen <nielsen@oz.net>

Cc: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,

Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [112263] Re: My ears

Message-ID: <Pine.LNX.4.33.0111192016310.19870-1000000@neale.gpfn.sk.ca>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Just checked DX Summit and they are saying the same, that the dxpediton
has turned back to Pitcairn because of a typhoon....good wishes for a safe
return....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272

A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -

- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 -

"QRP! How sweet it is!"

"I am da man wit "DAH" paddle!"

On Mon, 19 Nov 2001, Bob Nielsen wrote:

> Yes it IS Ducie (sorry about that). Anyway, the latest word is that
> they turned back because of high seas. Hopefully, we'll hear some more
> encouraging information later.
>
> 73, Bob N7XY
>
> On Mon, Nov 19, 2001 at 03:57:07PM -0800, N7SG K7FD wrote:
> > Dulcie? I thought it was Ducie...
> >
> > ...in any event, the pileup is bound to be a Doozie!
> >
> > 73 John K7FD
> >
> > >From: Bob Nielsen <nielsen@oz.net>
> >
> > >Probably your ears are still playing tricks. HC8N (Galapagos) has been
> > >quite active over the past few days.
> > >
> > >The last I heard regarding Dulcie was that they were very near the
> > >island, but were experiencing bad weather.
> > >
> > >Bob
> >
> >
> > -----
> > Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>
>
> --
> Bob Nielsen, N7XY
> Bainbridge Island, WA
> IOTA NA-065, USI WA-028S
>
nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Mon, 19 Nov 2001 20:19:51 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@LeHigh.EDU>
Subject: [112264] P5/4L4FN
Message-ID: <Pine.LNX.4.33.0111192018520.20111-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anyone heard this Korean station?.....sure would like to work it QRP!...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Mon, 19 Nov 2001 18:50:32 -0800
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Cc: elecraft@qth.net
Subject: [112265] QRPedition(s) to Marriott Island!
Message-ID: <F164BjcQCKJ59J2W1gC00015fcc@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Please be on the lookout for K7FD/P and K1/52 operating from the Beaverton, Oregon Marriott Courtyard Motel next Sunday through Thursday. Planned on-air times will center around 7p to 10p each evening near 7.040MHz...although Thursday will probably find me fox hunting.

I have asked for a third floor top spot; antenna will be the MP-1 however I'll take some fine wire if a very clandestine operation is necessary.

ALSO on tap is yet another Marriott destination: Maui Marriott December 5th - 11th. Plans are for the K1 on 20 and 15 meters...with a random wire and counterpoise from Hawaii...

Hope to work you!

73 John K7FD

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Mon, 19 Nov 2001 20:54:13 -0600
From: Bob Liesenfeld <wb0poq@visi.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [112266] Re: VFO stability advice?

Message-ID: <3BF9C5D5.780F21F4@visi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim Glover wrote:

>
> I'm planning to build a VFO for 40 meters, and I have a few questions.
>
> I've read that it's not a good idea to use double-sided PC board for
> VFO's. The reason given is that the double layer of copper with the board
> in the middle creates a capacitor connecting various parts of the circuit,
> and a fairly unstable capacitor, at that. I find myself wondering if
> this advice applies if you're not making a traditional PC board, but
> instead are using the PC board as a foundation for "ugly" construction,
> Manhattan, or some similar scheme. So, my first question is:
>
> -- If I employ some sort of "ground plane" method of construction which
> leaves the top layer of copper intact, is it then OK to use double-sided
> PC board to build a VFO, or should it still be avoided?
>
> I've also read that one should avoid the use of air variable capacitors
> of aluminum construction, preferring plated brass instead. The idea
> behind this one is that aluminum is relatively prone to contraction and
> expansion with changing temperatures, which leads to frequency drift.
> My remaining questions are:
>
> -- How do I inspect my collection of hamfest air variables to determine
> which use plated brass construction?
>
> -- If I mess up and use aluminum instead (or it turns out I have nothing
> else in my junk box) how bad will the results be? Would it be more or
> less stable than a varistor? Would it be more or less stable than one
> or more junkbox diodes or transistor junctions pressed into varistor-type
> service?
>

Not really in the same vein, but I once built a very stable 20m VFO by enclosing the circuit in an insulated minibox and adding an oven circuit to maintain the internal temp at about 110 degrees. Just a comparator IC referenced to a thermistor with a power transistor 'heater'. After about 10 minutes the drift was down to +/- 10Hz.

Bob WB0POQ

Date: Mon, 19 Nov 2001 20:56:51 -0600

From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-1@lehigh.edu
Subject: [112267] HC8N - 7.007 @ 0254Z
Message-ID: <5.1.0.14.0.20011119205405.00a125f0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

HC8N - 7.007 @ 0254Z

579 into Midwest - call right on frequency - not very crowded.

Used Argosy II at five watts to SLX portable vertical.

DX still running stations at 0257Z.

Good luck,

de Dave, NF0R nf0r@slacc.com

Date: Mon, 19 Nov 2001 20:36:43 -0700
From: Andrew Madsen <andrew@utahdesign.com>
To: qrp-1@lehigh.edu
Subject: [112268] Current-Limiting IC
Message-ID: <3BF9CFCB.2589C367@utahdesign.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm looking for an IC that will limit the current to a motor. I would like one that will actually pass the required current, but when the current goes above a specific point it will stop the current from going higher. Anybody know of such a device? The current required is 1A. A bi-directional device (current can go either way), would be best, but is not entirely necessary. It would be OK if the IC simply controlled an outboard current limiting circuit, but a configuration like the one above would be best. Thanks in advance!

73,
Andrew AC7CF

Date: Mon, 19 Nov 2001 22:41:42 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "pigs" <fpqrp-l@mpna.com>
Subject: [112269] Parts again, new ones this time
Message-ID: <003501c17175\$455e3a00\$0e492bd1@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I hate sending this out again so soon, but I've had a banner week scrounging stuff. Anyone need any of the following goodies?

Parts for Sale as of 11/19/2001

=====

NEW .1 uF Poly/Film caps - 10% 250v, new stock, paper tape, nice long leads.
These are not NPO and are made by S&M Components 50/\$3 or 100/\$5

NEW 12pf NPO Disc Ceramics, long leads, 50vdc 5% Marked 120J made by NKE,
50/\$3
or 100/\$5

NEW 470pf Disc Ceramics, 50vdc 5% Marked 471J, long leads, paper tape, 50/\$3
or
100/\$5

NEW .01uF Monolithic Ceramics, marked 103K, long leads, Made by AVX Corp,
100vdc 10%,
50/\$3 or 100/\$5

22uF 35v electrolytics - \$2.00 and 2 stamps for 100 These caps are on paper
tape, NOS (New, but old stock) made by Richey.

I still have some NEW BNC chassis connectors for (inc nut and lock washer)

=====

25 for \$14.00
50 for \$24.00
100 for \$40.00

Voltage Regulators

=====

LM7805C voltage regulators. T0220 case. 5 for \$4.00
L7806CV voltage regulators. T0220 case. 5 for \$4.00
LM7808CT voltage regulators. T0220 case. 5 for \$4.00
LM7812T voltage regulators. T0220 case. 5 for \$4.00

3 of each for \$10

Transistors

=====

2N2222's in METAL T018 case - 25/\$7.50 NEW PARTS
2N3906's plastic T092 case - 50/\$4 NEW PARTS
2N7000's plastic T092 case - 6/2\$ 10/\$3 NEW PARTS

Surface Mount Transistors

BC847B NPN Gen Purp Amp - Vce=45v Veb=6v Ic=100mA Pd 350mW, Vbe Sat=.77V,
hfe 200-450, FT 200Mhz. 100/\$3 500/\$10

Crystals

=====

3.579545 Mhz Crystals for 80m - These are pulls, \$1.00 each (I have 4 left)

POTS

=====

10K 1 Turn Panel mount pots. These are pulls. No knobs, just shafts. Most
are Allen Bradley. Pot is about as big as a quarter. With nut. 5 for \$4.00
MAKE ME AN OFFER

Diodes

=====

1N4148 - You always need these. 100 for \$2.00 These are NEW.

Speakers

=====

Little 2.5 inch PC speakers, 8 Ohm. \$1.50 includes shipping in a padded
envelope. 10 for \$8.00 - They work great for little external speakers on QRP
rigs.
Just add a audio amp you make from 2N3906's and you can run your neighbors
out of their house.

Let me know if you're interested. All prices are post paid to the USA,
unless otherwise noted. I will ship to non USA addresses but we need to
discuss the shipping charges first.

Thanks - My address on QRZ is good.

=====

KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
Member of the American Radio Relay League - SOC #400
FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57

=====

Date: Mon, 19 Nov 2001 19:54:56 -0800
From: "Donald Philbin" <donaldphilbin@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [112270] Cudo's to NJQRP & Joe Everhart
Message-ID: <F110IXHbQbilavmMw0I00004990@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I want to take a moment to thank the NJQRP club and Joe Everhart publically for their help. I purchased a Warbler kit from an individual on this list and through no fault of the previous owner (the kit was unopened) the kit was missing an inductor.

I contacted the NJQRP club asking to purchase the part so that I would be able to complete the kit. Joe Everhart contacted me and sent me the required part without charge.

To some this may seem a small jesture but to me this illustrates the spirit of the QRP community.

Thank you to Joe and the NJQRP club.

D.K. Philbin KD6TK

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Mon, 19 Nov 2001 23:10:52 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: Dave Benson <nn1g@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [112271] Re: mobile antennas
Message-ID: <3BF9D7CC.D63929C3@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yes, of course Dave. There is no better time to use it, only when it goes, in a couple of years he will be talking to himself, and so will you! The solution involves knowing and understanding this. Only then can an intelligent choice be made about antennas!

Date: Mon, 19 Nov 2001 23:04:02 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [112272] Re: www.eQSL.cc
Message-ID: <3BF9D632.24EEEDAA@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl,

sQSLs are just too easy to counterfeit! The League has never accepted them for anything. They want to see original cards, mailed to you by the DX station or a QSL manager! It would be prohibitively expensive to counterfeit 100 unique DX QSLs!

Date: Mon, 19 Nov 2001 23:02:08 -0500
From: "ZOOM" <kandrparker@sympatico.ca>
To: <andrew@utahdesign.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [112273] Re: Current-Limiting IC
Message-ID: <007e01c17178\$1fe378a0\$3294fea9@robertpa>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Try a LM723 it's basically a voltage regulator with current limiting capability.
Use a driver at the output so you don't smoke the IC as well as protection diodes from the inductive backlash.

Regards,
Robert
VE3RPF

----- Original Message -----
From: Andrew Madsen <andrew@utahdesign.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Monday, November 19, 2001 10:36 PM
Subject: Current-Limiting IC

> I'm looking for an IC that will limit the current to a motor. I would
> like one that will actually pass the required current, but when the
> current goes above a specific point it will stop the current from going
> higher. Anybody know of such a device? The current required is 1A. A
> bi-directional device (current can go either way), would be best, but is
> not entirely necessary. It would be OK if the IC simply controlled an
> outboard current limiting circuit, but a configuration like the one
> above would be best. Thanks in advance!
>
> 73,
> Andrew AC7CF
>

Date: Mon, 19 Nov 2001 23:29:38 -0500
From: "Blake M. Meinecke" <n4gi@tampabay.rr.com>
To: "'w6toy@erols.com'" <w6toy@erols.com>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [112274] RE: www.eQSL.cc
Message-ID: <01C17152.0EDE6F40@6535233hfc96.tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

-----Original Message-----

From: Bruce Muscolino [SMTP:w6toy@erols.com]
Sent: Monday, November 19, 2001 11:04 PM
To: Low Power Amateur Radio Discussion
Subject: Re: www.eQSL.cc

>It would be prohibitively expensive
to counterfeit 100 unique DX QSLs!

But I wonder... =20

How much more expensive would it be than the postage to SEND/RECEIVE 100 =
unique cards including greenstamps, SASE's, IRC's, etc... Any MBAs want =
to do a quick cost-analysis? =20

The league will catch up with the times.....eventually.

Blake N4GI

Date: Mon, 19 Nov 2001 23:37:42 EST
From: WE7X@aol.com
To: k5di@zianet.com, qrp-1@lehigh.edu
Subject: [112275] Re: RCA Impedance Bump
Message-ID: <ce.1dab1cdd.292b3816@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

>From Issaquah, WA (Home of the only Krispy Kreme shop west of the Mississippi River) - and the lines are still 30 minutes to an hour long at 11PM on Sunday night.

ABSOLUTELY RIDICULOUS!

I just had to put that in. I promise not to do it again-I think.

Now to the subject at hand.

I have a lot of GE Master II UHF mobile radios (450 -460 MHz) and they use RCA 'phono' style plugs and sockets too, but they are very high quality ones.

My main complaint with the Heathkit ones was the quality of the supplied part.

Collins QRO gear and Ten-Tec use them and with very little trouble. The main thing to watch for, as mentioned by others, is that they tend to come loose.

Don't be afraid to use them.

7 3,

Rod WE7X

Date: Mon, 19 Nov 2001 23:35:44 -0500
From: David Hinerman <wd8civ@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [112276] Re: More JUNO troubles
Message-ID: <3.0.6.32.20011119233544.0079b290@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 07:47 PM 11/19/01 -0500, you wrote:

>ATT offers a plan called i495 (150 hours a month for 4.95 USD, the

>gotcha every minute over is .99 / minute.

>Great service ! CDs are available in their Wireless stores.

>

>Adam Kb2jpd

I'm an AT&T user, and I'm reasonably satisfied with it. Two points to make:

1) The \$4.95 service is adware - you get a little billboard to ignore while you're online. (I have the \$14.95 / 150 hr. service - no ads.)

2) I've yet to bump into the 150-hour "limit." And my kids use the ISP from their computer while I'm online too. If I spent that many hours online my wife would divorce me. (Well, maybe not - she needs me to keep her e-mail running.)

But I use AT&T long distance, and the bill includes both the Worldnet (ISP) and phone charges on one statement. No credit card numbers, etc.

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 19 Nov 2001 21:41:51 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [112277] Re: FS 2 Variable Caps
Message-ID: <00b601c1717d\$ac9fa980\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Caps are spoken for.

R.

----- Original Message -----
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, November 19, 2001 3:36 PM
Subject: FS 2 Variable Caps

> 2 Johnson Variable Tuning Caps, pics & info at:
>
> <http://www.radioactivehams.com/~n0rc/tc.html>
>

> \$20 shipped CONUS
>
> 73, Rod N0RC
> Ft Collins, CO
>
>

Date: Mon, 19 Nov 2001 22:42:47 -0600
From: "Len Revelle" <lenrev@ameritech.net>
To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [112278] RE: www.eQSL.cc
Message-ID: <JDEJKNHICDBPHBFOCEJMKEHCCOAA.lenrev@ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Bruce,

How is my qsl, printed on standard printer and paper and mailed in an envelope distinguishable from an eQSL printed locally? Would the league refuse my QSL because it's not printed on card stock with W4MPY on it? Should the league have refused my hand typed 3x5 QSL as a Novice.

We need to accept that the medium has nothing to do with the honesty of those who represent the cards for awards. Unfortunately traditional QSL'ing is no longer cost effective. I quit chasing DXCC at 200 because of the expense and aggravation though I'd again pursue it under the Log of the World program. The league would be wiser to buy out eQSL so they could maintain their control over the forwarding process.

Len Revelle N9IJ
AMA 60055 LSF 7492
QRP-ARCI#10923 QRP-L#2353
ARS#1099 Live Wire#529
lenrev@ameritech.net

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Bruce Muscolino
Sent: Monday, November 19, 2001 10:04 PM
To: Low Power Amateur Radio Discussion
Subject: Re: www.eQSL.cc

Karl,

sQSLs are just too easy to counterfeit! The League has never accepted them for anything. They want to see original cards, mailed to you by the DX station or a QSL manager! It would be prohibitively expensive to counterfeit 100 unique DX QSLs!

Date: Mon, 19 Nov 2001 23:46:10 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: n4gi@tampabay.rr.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [112279] Re: www.eQSL.cc
Message-ID: <3BF9E012.646E64BD@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

That is exactly the point. When you work 100 countries you send out 100 cards, either by mail or bureau, and collect the returns the same way! It takes time. Sure DXCC CAN be worked in a weekend, but more likely most people take a year or tow! The cost is spread out and you don't feel it. Only recently has there been a movement to get QSL's before the ink in dry in your log!

73

Date: Tue, 20 Nov 2001 00:06:44 -0500
From: Radioham <radioham@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [112280] FS - Various
Message-ID: <5.0.2.1.0.200111200000549.009f8bd0@netmail.home.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Radio Shack back lit LCD hand held Frequency Counter (1 - 1300 Mhz) model #22-305
with collapsible whip. Works very well, no manual (operation is intuitive). \$50 shipped in US.

MFJ HF SWR Analyzer Model MFJ-207. Frequency coverage is 1.75 MHz to 30 MHz in 5 bands, with manual. Operates on a 9 volt battery or ac power adapter. Works very well and is in great shape.

\$50 shipped in US.

72/73,

Steve, N4EUK
Reston, VA

Date: Tue, 20 Nov 2001 00:24:46 EST
From: WE7X@aol.com
To: andrew@utahdesign.com, qrp-1@lehigh.edu
Subject: [112281] Re: Current-Limiting IC
Message-ID: <15.1e059ee2.292b431e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

As I recall, the 3-tab adjustable voltage regulator ICs (such as the LM317) will function as a current regulator if there is a resistor in the output circuit, with the adjusting leg tied to output after the resistor.

Look in a recent (last 10 years handbook under Power Supplies, or more specifically, Voltage Regulators.

I'm sure you will find some info there.

Rod WE7X

Date: Tue, 20 Nov 2001 00:35:08 EST
From: WE7X@aol.com
To: KD5NWA@mbayona.com, qrp-1@lehigh.edu
Subject: [112282] Re: Portable QRP Rig
Message-ID: <170.43273e3.292b458c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Cecil,

I am curious if you really want a lot of bands. That usually means several antennas and/or a tuner and one antenna. As for extended hiking and power supplies, a small solar panel will extend your operating time significantly, especially if you park yourselves in one place for a while to let the panel remain pointed properly. In any case, it means extra complexity and more stuff to carry. Now if you are car camping, then it becomes much less of an issue, and the FT-817 power concern becomes a moot point.

There was a Wilderness(?) Cascade rig which was 20M and 40M as I recall.

It was small and light weight, and worked very well. A simple dipole with clip-on extensions will work fine in that case.

A dual band K-1 would also work well.

WE7X

Rod

Date: Tue, 20 Nov 2001 05:42:13 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [112283] RE: www.eQSL.cc
Message-ID: <F211rGLsnqHs4rVPXbI0001ec6f@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Well, I'm not an MBA but I am an auditor in a hotel, so.....

I would break it down like this....

35% would have US managers which would entail a SASE. - \$23.80

65% would require overseas postage and "green stamps" - \$169.00

That is figuring 2 "green stamps" per QSL, and working at least one major DX contest (good source of stations with US ops or US managers)

Total of \$192.80

And that is if ALL of the 100 you worked replied (yeah right). Figuring a 80% return rate, I estimate around \$250.00 for direct QSLing in order to get at least 100 cards for DXCC. And given my experience (DXCC on 10m and satellite), it would take around 6 to 10 months to work 'em and get the cards back, then a couple of months to get the certificate from ARRL.

Bottom line is about a year and around \$250.00 for a DXCC award via direct QSLing. Much cheaper to go the bureau route!

Dennis Ponsness - WB0WAO

EN84ij Iosco Cty, Mich.

WAC WAS DXCC VUCC WPX

NJ-QRP #329 QRP-L #2348

FP #-347 SOC#499

Web Page <http://www.qsl.net/wb0wao>

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Mon, 19 Nov 2001 21:47:33 -0800
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [112284] Re: P5/4L4FN
Message-ID: <20011119214733.A3551@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Mon, Nov 19, 2001 at 08:19:51PM -0600, Bruce Rattray wrote:

>
> Anyone heard this Korean station?....sure would like to work it QRP!...

Bruce,

I heard him very weak the other day. I understand he is usually on 28.575 at 2230Z daily for about 30 minutes and has also been on 20 meters.

No, I didn't work him...but I did work both BY and BV in the past few days for new QRP countries. It felt great to break the pileup and bag BV5BG on 10 SSB today.

--

Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Tue, 20 Nov 2001 00:26:07 -0600 (CST)
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-1@lehigh.edu
Subject: [112285] Go QRP! on 30m
Message-ID: <Pine.SOL.4.03.10111200020040.9326-1000000@sunburst.usd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi gang:

30m has been hot lately - tonight even though SF=171 and A index is a high 17.

Called ZL1MH at 0557 and we hooked up (several other times). Mike was QRO and then decided to put the K2 online. He went

from a 569 to a 549. Nice QSO.

THEN -- you guessed it... W3ZK/QRP called him and they went at it a while.

These DX guys on 30m must be starting to get the impression that you gotta have QRPers around to make DX QSO's on 30!

I luv it!

Earlier at 0330, I turned on the rig and slid across a very weak 5R8HD -- one of those "reciprocal paths" which means I didn't have a chance. But, a 1x3 call brought him back and I needed to repeat the "R" a couple of times to complete the QSO. He went on calling for 10 mins and the QRO guys apparently were asleep or watching TV -- or they just don't hear very well. DX'ing can be really nice without them poking in.

72, Ade

Date: Tue, 20 Nov 2001 01:43:27 -0600
From: Mark Fields <mark_ke5my@juno.com>
To: qrp-l@lehigh.edu
Subject: [112286] Problems receiving QRP-L messages via JUNO
Message-ID: <20011120.014443.-172425.4.mark_ke5my@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

To those of you who, like myself, subscribe to Juno, and are either having trouble getting postings from this reflector(or aren't getting any postings at all !): I have sent a complaint message to them, reporting the problem, adding that many of you are having the same trouble. I hope that it will prompt them to look into the matter, and fix it(if it's with their system).

73, Mark, KE5MY, QRP-L # 2365

GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!

Join Juno today! For your FREE software, visit:

<http://dl.www.juno.com/get/web/>.

Date: Tue, 20 Nov 2001 03:29:05 -0800 (PST)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: w6toy@erols.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [112287] Re: www.eQSL.cc
Message-ID: <20011120112906.17386.qmail@web14203.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Bruce,

One computer, one quality printer, 25 sheets of 8.5" x
11" card stock, and you have 100 DX cards.

My 6yr old granddaughter could do it.

73 Bill KC4ATU

Do You Yahoo!?
Yahoo! GeoCities - quick and easy web site hosting, just \$8.95/month.
<http://geocities.yahoo.com/ps/info1>

Date: Tue, 20 Nov 2001 04:46:57 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [112288] Another Juno alternative: QSL.NET!
Message-ID: <001701c171b9\$0f2ab4b0\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Extracted from an email I received from Alan Waller (QSL Net
entrepreneur)

** ISP **

One of the best kept secrets on the Internet is that QSL.NET is a
nationwide ISP!

6,000 numbers in over 1000 locations makes QSL.NET Internet dial up
available in your city today.

\$14.95 per month
2 free e-mail accounts
Free web page
News Server
24/7 customer support
Instant Sign up with a valid credit card

We are happy to announce we can now offer ISP service to anyone... not just hams.

Do you need your Internet connection to follow you as you travel?
QSL.NET does this

Does your business need Internet access in multiple cities? QSL.NET can do it.

Do you want an ISP where fluent Ham Radio is spoken? QSL.NET!

* * * * *

You can learn more and sign up at: <http://proxy.qsl.net/>

If you need an ISP and you can afford the price, why not help and support a fellow Ham?

73, Rod NØRC
Ft Collins, CO

Date: Tue, 20 Nov 2001 07:16:31 -0500
From: "Pastor-KC1DI" <elbc@pivot.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [112289] FT: Red Hot 40
Message-ID: <007a01c171bd\$30bf8520\$ea96fea9@pivot.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Still have the Red Hot 40, not interested in selling just a Swap for a rig that will put me on PSK 31.
Thanks 73 Dave kc1di

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.298 / Virus Database: 161 - Release Date: 11/13/01

Date: Tue, 20 Nov 2001 05:32:59 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>

To: Thomas Kuehl <ac7a@gci-net.com>

Cc: <k5di@zianet.com>,

Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [112290] Re: www.eQSL.cc

Message-ID: <Pine.LNX.4.33.0111200531080.1358-100000@cannac.fun>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I think ARRL is planning to put one on their web page in the distant future. That's what they will accept.

On Tue, 20 Nov 2001, Thomas Kuehl wrote:

> Karl,

>

> As I recall, the ARRL is going to accept them in the not too distant future.

> They are establishing the acceptance criteria, before the implementation.

>

> But then again, I may have dreamt this up in my mind. A middle age thing . .

> .

>

> Regards, Thomas - AC7A (Tucson)

>

> "Karl F. Larsen" wrote:

>

> > I got (printed out) and sent 4 QSL cards just now on that eQSL

> > system. I cannot imagine why ARRL doesn't trust them. I expect it's a not

> > invented here syndrom. They sure do a brisk business since you can reach

> > it from almost any country in the world.

> >

> > They had a vote thing in a sidebar and it was "are you a ARRL

> > Member?" and 67% of those who answered are.

> >

> > --

> > Yours Truly,

> >
> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> > http://www.qsl.net/k5di/
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
http://www.qsl.net/k5di/

Date: Tue, 20 Nov 2001 05:53:38 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Rod N0RC <rod@n0rc.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [112291] Re: Another Juno alternative: QSL.NET!
Message-ID: <Pine.LNX.4.33.0111200552160.1358-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I checked it out. No service in the west. Yet.

On Tue, 20 Nov 2001, Rod N0RC wrote:

> Extracted from an email I received from Alan Waller (QSL Net
> entrepreneur)
>
> ** ISP **
>
> One of the best kept secrets on the Internet is that QSL.NET is a
> nationwide ISP!
>
> 6,000 numbers in over 1000 locations makes QSL.NET Internet dial up
> available in your city today.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
http://www.qsl.net/k5di/

Date: Tue, 20 Nov 2001 07:51:47 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [112292] Xtal for TT-2
Message-ID: <005501c171c2\$1e429a40\$ab156fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Looking for a crystal for somewhere around 7040 khz for my TT-2. Only thing I have now is in about 7122 khz--not a real good QRP frequency.

Cheap.

jim-
KG4LDY
James H. Stamper
519 Park Avenue
Woodstock, VA 22664-1260
540-459-8350

Date: Tue, 20 Nov 2001 05:50:54 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <WE7X@aol.com>
Cc: <k5di@zianet.com>, <qrp-l@lehigh.edu>
Subject: [112293] Re: RCA Impedance Bump
Message-ID: <Pine.LNX.4.33.0111200546080.1358-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Interesting. I don't use GE because Motorola is what we get here cheap, like free. Both use RCA plugs for RF but in places where only service people will connect/disconnect them. This happens only 5-10 times in the radio's life.

Using them in a patch panel might imply lots of use and as you say they do get loose with use.

On Mon, 19 Nov 2001 WE7X@aol.com wrote:

> I have a lot of GE Master II UHF mobile radios (450 -460 MHz) and they use
> RCA 'phono' style plugs and sockets too, but they are very high quality ones.

> My main complaint with the Heathkit ones was the quality of the supplied
> part.
> Collins QRO gear and Ten-Tec use them and with very little trouble. The
> main thing to watch for, as mentioned by others, is that they tend to come
> loose.
> Don't be afraid to use them.
> 7 3,
> Rod WE7X
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Tue, 20 Nov 2001 07:55:27 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
<wb0wao@hotmail.com>
Subject: [112294] Re: www.eQSL.cc
Message-ID: <005f01c171c2\$a12adee0\$ab156fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

When Dennis puts it that way it makes me think: Would I rather have a "real"
DXCC certificate or a leg up on the purchase price of a Gap antenna?

----- Original Message -----

From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, November 20, 2001 12:42 AM
Subject: RE: www.eQSL.cc

> Well, I'm not an MBA but I am an auditor in a hotel, so.....
>
> I would break it down like this....
> 35% would have US managers which would entail a SASE. - \$23.80
> 65% would require overseas postage and "green stamps" - \$169.00
> That is figuring 2 "green stamps" per QSL, and working at least one major
DX
> contest (good source of stations with US ops or US managers)

> Total of \$192.80
>
> And that is if ALL of the 100 you worked replied (yeah right). Figuring a
> 80% return rate, I estimate around \$250.00 for direct QSLing in order to
get
> at least 100 cards for DXCC. And given my experience (DXCC on 10m and
> satellite), it would take around 6 to 10 months to work 'em and get the
> cards back, then a couple of months to get the certificate from ARRL.
>
> Bottom line is about a year and around \$250.00 for a DXCC award via direct
> QSLing. Much cheaper to go the bureau route!
>
> Dennis Ponsness - WB0WAO
> EN84ij Iosco Cty, Mich.
> WAC WAS DXCC VUCC WPX
> NJ-QRP #329 QRP-L #2348
> FP #-347 SOC#499
> Web Page <http://www.qsl.net/wb0wao>
>
>
>
>
>
>

> Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>
>

Date: Tue, 20 Nov 2001 06:00:22 -0700
From: "Bud Haynes" <KV7G@prodigy.net>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [112295] Re: Another Juno alternative: QSL.NET!
Message-ID: <011701c171c3\$540a3100\$0101fea9@bud>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

They DO have service in the Southwest, just not in your area yet. See
numbers below

Bud

+++++

Flagstaff (928) 213-3320

Phoenix (602) 282-1182

Prescott (928) 717-9480

```
Sedona (928) 204-7820
Sierra Vista (928) 452-5900
Tucson (928) 629-2980
+++++
```

Mailto: KV7G@prodigy.net
Web Page: www.qsl.net/kv7g

----- Original Message -----

From: Karl F. Larsen <k5di@zianet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Tuesday, November 20, 2001 5:53 AM
Subject: Re: Another Juno alternative: QSL.NET!

```
>  
> I checked it out. No service in the west. Yet.  
>
```

Date: Tue, 20 Nov 2001 06:13:38 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <grp-l@Lehigh.EDU>
Subject: [112296] Re: Another Juno alternative: QSL.NET!
Message-ID: <005001c171c5\$2b2c8b00\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Karl,

----- Original Message -----

From: "Karl F. Larsen" <k5di@zianet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, November 20, 2001 5:53 AM
Subject: Re: Another Juno alternative: QSL.NET!

```
>  
> I checked it out. No service in the west. Yet.  
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^  
>
```

Your overly brief statement leaves a false impression for others.
QSL.NET ISP services are available in at least some western states:
CO, UT, CA, NV, WA, AZ & OR, all are considered western states!

Please be careful with such hyperbole, so as not to mis-communicate
factual data. There are about 4000 readers of QRP-L all over the
world, accuracy is important.

FWIW: You should contact Alan if you're interested. He is a very
flexible and resourceful person (HEY he's a Ham, Right?). He may be
able to find a way to service your needs.

73, Rod NØRC
Ft Collins, CO

Date: Tue, 20 Nov 2001 08:24:25 EST
From: WE7X@aol.com
To: jstamper@shentel.net, qrp-l@lehigh.edu
Subject: [112297] Re: Xtal for TT-2
Message-ID: <159.4568ab5.292bb389@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Crystals for 7040 are available from Norcal -\$1 each
WE7X
Rod
Issaquah, WA

Date: Tue, 20 Nov 2001 08:28:56 EST
From: WE7X@aol.com
To: QRP-L@lehigh.edu
Subject: [112298] My JUNO...is back up!
Message-ID: <f4.129b9d35.292bb498@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

At 5:30 AM this morning (Tuesday), I logged on, and everything looks normal.
Rod
WE7X
Issaquah, WA

Date: Tue, 20 Nov 2001 08:31:35 -0500
From: W2AGN <w2agn@pobox.com>
To: "Rod N0RC" <rod@n0rc.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [112299] Re: Another Juno alternative: QSL.NET!
Message-ID: <0111200831350D.31067@njbirdman>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Tuesday 20 November 2001 08:13, Rod N0RC wrote:

> Karl,
>
> Your overly brief statement leaves a false impression for others.
> QSL.NET ISP services are available in at least some western states:
> CO, UT, CA, NV, WA, AZ & OR, all are considered western states!
>
> Please be careful with such hyperbole, so as not to mis-communicate
> factual data. There are about 4000 readers of QRP-L all over the
> world, accuracy is important.

--

Haven't you figured it out, that's Karl's middle name? Karl Hyperbole
Resiprosity.

(Sorry, Jim, I AM incorrigible)

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Tue, 20 Nov 2001 08:33:00 -0500
From: W2AGN <w2agn@pobox.com>
To: WE7X@aol.com,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [112300] Re: Xtal for TT-2
Message-ID: <0111200833000E.31067@njbirdman>
Content-Type: text/plain;
 charset="iso-8859-1"

MIME-Version: 1.0

Content-Transfer-Encoding: 8bit

On Tuesday 20 November 2001 08:24, WE7X@aol.com wrote:

> Crystals for 7040 are available from Norcal -\$1 each

> WE7X

> Rod

> Issaquah, WA

--

But all those 7040 crystals will be worthless when the whole QRP world switches to Karl's Band plan!

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Tue, 20 Nov 2001 08:37:29 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <KD5NWA@mbayona.com>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [112301] Re: Portable QRP Rig

Message-ID: <00d201c171c9\$48fd2780\$6501a8c0@INSYDENT>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

The K1, especially with '4 bands', sounds like a really neat little radio. I'm

not sure of the power consumption of it, but I know it's LOW LOW LOW!!

And, I saw one blurb that thought the 4-band module was a single option, so you could still put one of the original 2-band boards in place for a 5th band. But I don't know how true that is.

Thing is, the K1 will be CW only, and if that's what you're going for, it's a fantastic rig. But if you use your 817 as SSB at all, then you might want to consider a K2.

It's a LOT more radio, and will consume a LOT more power, but still less than the 817. It won't be near as 'portable' as the K1, or even the

817.

(The 817 in my mind is the ultimate as a 'pack' radio for size and construction. But it's just too power hungry to be a 'reasonable service' self-contained radio.) You should easily get a day out of the K2 with internal battery, probably a whole weekend. I'm not sure so I'm sure someone else can answer that.

So, if it's really size and power for CW, then the K1 is the ultimate radio to covet. But if you find yourself using the 817 for OTHER than just CW, then you might want to at least consider the K2. I know, buy both...

Mike

----- Original Message -----
From: Ham <KD5NWA@mbayona.com>

> Hello to everyone in the group, My name is Cecil Bayona and I am studying
> right now for my General license.
> I'm really interested in QRP work but I could use the groups help in making
> a decision, My son and I like to go camping and hiking a lot, so I'm looking
> to buy a portable rig that can run a long time on battery power. Right now I
> own a FT-817 and really like it a lot but it consumes a lot of power so it
> would require a lot of batteries for a several day camping trip. So, getting
> down to the topic at hand, I'm considering buying a new rig for use on long
> trips away from power, I really like (no experience just specs.) the K1 four
> band model from Elecraft. You guys and gals have experience with many kinds
> of equipment, what do think of this unit? Any suggestions on alternative
> units. Any help would be appreciated.
>
> By the way if this post twice I apologize, I sent it to the group several
> times and it has not shown up.
>
>

> Thanks
>
> Cecil Bayona
> KD5NWA
>
>

Date: Tue, 20 Nov 2001 08:53:09 -0500
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: WE7X@aol.com
Cc: qrp-1@lehigh.edu
Subject: [112302] Re: Portable QRP Rig
Message-ID: <5.0.2.1.1.20011120084750.00a79040@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:35 AM 11/20/01 -0500, WE7X, Rod wrote:

>Cecil,
>-snip-
> There was a Wilderness(?) Cascade rig which was 20M and 40M as I recall.
>It was small and light weight, and worked very well. A simple dipole with
>clip-on extensions will work fine in that case.
> A dual band K-1 would also work well.
> WE7X
> Rod

Actually, it was a NorCal Cascade kit, which stock, ran on 80 and 20 meters. I did the conversion and article which allowed that rig to run on 40 and 17 meters. It was a SSB rig, but could be make to work on CW with changes to the crystal filter, and a bit of carrier injection. It is/was a good rig, but kinda scarce these days.

I think a dual band or quad band K1 is a lot better choice at this point in time. With the ATU board installed of course.

72,

Jim, K8IQY

Date: Tue, 20 Nov 2001 09:21:09 -0600
From: "Len Revelle" <lenrev@ameritech.net>

To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [112303] RE: www.eQSL.cc
Message-ID: <JDEJKNHICDBPHBFOCEJMAEHIC0AA.lenrev@ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Waiting for the card was never an issue for me, Bruce. The initial 100 is no great task, I'll admit, but the latter 200 and above begins to get costly. I began to see trends that turned me off such as sending green stamps to a dx station so he returns via bureau, my becoming a forwarding service for some who chose to send my card with several others (yes I did forward them), and my particular bureau guy's poor eyesight as I often received 5:1 cards in my envelope for others with similar calls (I forwarded these too). At 200 I realized the rarer ones cost me as much as \$3.00 each for, often, no return, and at the time every wasted three bucks was felt as at the time, I was raising my second family on cops pay and the cost started to negate the fun.

Len Revelle N9IJ
AMA 60055 LSF 7492
QRP-ARCI#10923 QRP-L#2353
ARS#1099 Live Wire#529
lenrev@ameritech.net

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Bruce Muscolino
Sent: Monday, November 19, 2001 10:46 PM
To: Low Power Amateur Radio Discussion
Subject: Re: www.eQSL.cc

That is exactly the point. When you work 100 countries you send out 100 cards, either by mail or bureau, and collect the returns the same way! It takes time. Sure DXCC CAN be worked in a weekend, but more likely most people take a year or tow! The cost is spread out and you don't feel it. Only recently has there been a movement to get QSL's before the ink in dry in your log!

73

Date: Tue, 20 Nov 2001 10:23:28 -0500
From: "Lee Mairs" <lmairs@cox.rr.com>
To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [112304] Re: www.eQSL.cc
Message-ID: <015201c171d9\$3b3d4e80\$aa54f7a5@bigscreenlaptop>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I shudder to think how expensive it was to get the 250+ that I have. Lots of green stamps and SASEs. And my SO almost threw them out announcing, "You never look at these. They just clutter up the desk drawer." Yikes!
73 de Lee, km4yy

It is the besetting vice of democracies to substitute public opinion for law. This is
the usual form in which the masses of men exhibit their tyranny.
--James Fennimore Cooper

----- Original Message -----
From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, November 19, 2001 11:04 PM
Subject: Re: www.eQSL.cc

> Karl,
>
> sQSLs are just too easy to counterfeit! The League has never accepted
> them for anything. They want to see original cards, mailed to you by
> the DX station or a QSL manager! It would be prohibitively expensive
> to counterfeit 100 unique DX QSLs!

Date: Tue, 20 Nov 2001 09:39:15 -0600
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: qrp-1@lehigh.edu
Subject: [112305] Re: www.eQSL.cc
Message-ID: <4.3.2.7.2.20011120092209.00c6e740@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I guess it really begs the question.

1. Do I want DXCC to impress you? (Then gotta get it from the ARRL with real paper cards because I might cheat)
2. Do I want DXCC because I worked 100 countries, have fulfilled a personal goal and feel good about the work and effort I put into it - ie, for me. (Then I know what I did - if I didn't work them the only person I cheated is me).

I can tell you that when I see a non-ARRL recognition of 100 countries worked on a friends wall that he didn't tell me about - I'll be impressed because I know why its important and for whom it is important.

I understand the concern. We've been raised with this competitive environment surrounding contesting and awards. We are a competitive people - we'll figure out a way to make anything a sport and award the winners. Just drive on a freeway at rush hour this afternoon.

Its easy to fall into that mentality. But, I do believe that you are personally better off if you pursue goals for the personal satisfaction of them.

My personal choice will be to use E-QSL's as primary and to send a paper card to anyone who sends me a paper card and asks for one. Like anyone really needs one more card from Houston, Tx. :-)

Ed, N5EM

At 11:04 PM 11/19/01 -0500, you wrote:

>Karl,

>

>sQSLs are just too easy to counterfeit! The League has never accepted
>them for anything. They want to see original cards, mailed to you by
>the DX station or a QSL manager! It would be prohibitively expensive
>to counterfeit 100 unique DX QSLs!

Date: Tue, 20 Nov 2001 10:57:32 -0500

From: "Caitlyn M. Martin" <ku4qd@qsl.net>

To: qrp-l@lehigh.edu

Subject: [112306] re: portable QRP rig

Message-ID: <20011120105732.0d0c5fba.ku4qd@qsl.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 8bit

Hi,

> Hello to everyone in the group, My name is Cecil Bayona and I am studying
> right now for my General license.
> I'm really interested in QRP work but I could use the groups help in making
> a decision, My son and I like to go camping and hiking a lot, so I'm looking
> to buy a portable rig that can run a long time on battery power. Right now I
> own a FT-817 and really like it a lot but it consumes a lot of power so it
> would require a lot of batteries for a several day camping trip.

Another option is to pick a band or two and go with the Mizuho handhelds. The 2W versions consume 70mA on receive, 700mA on transmit. The 250mW versions (with even less features) consume a miniscule 40mA on receive and 180mA when transmitting. The 2W versions for 80, 40, 20, and 15 meters are still available new from Waters & Stanton in the UK. The price of 239 includes 17.5% VAT, which Americans do *NOT* have to pay, and they will deduct it and add shipping. Expect your net cost to be in the neighborhood of \$300, plus \$20 for an addition range crystal. (Mizuho rigs are VXO controlled.) These rigs also turn up frequently on the used market, often for half the new price. Versions are or were available for 2m - 80m including 12m and 17m. The quarter watt versions are even cheaper on the used market (\$100-\$130). The main point, though, is that they really will run a long time on one set of batteries and are very small and lightweight.

You may also consider a Tokyo Hy-Power HT-750. Production is on hiatus right now, but thanks to FT-817 mania, used ones seem to pop up much more frequently than they used to and the prices have dropped. A well equipped one just went for \$338 on eBay. This HT is bigger and heavier than the Mizuho rigs, and is just a little smaller in volume and lighter in weight than the FT-817. It covers 15m and 40m, SSB/CW, at 3W out, plus 6m at 2W out. This rig is digital and synthesized, so it's not nearly as stingy as the Mizuho HTs on power, but isn't nearly as bad as an FT-817. It draws 100mA on receive, but 1.5A on transmit.

One advantage of both of these options is that you have SSB as well as CW capability, if that is important to you.

72/73,
Caity
KU4QD

Date: Tue, 20 Nov 2001 11:01:28 -0500 (EST)
From: <igeq100@iupui.edu>
To: QRP List <qrp-l@lehigh.edu>

Subject: [112307] Re: hearing problems (old topic)
Message-ID: <Pine.GS0.3.96.1011120105542.14599A-1000000@jade.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang -

Sorry to bring up an old thread, but it started me thinking. I have been using the Spectrogram program (www.visualizationsoftware.com/gram.html) to look at signals as I receive them. Not only do you get to look at all of the signals within your bandpass, you can check the setup of your filters and tune much more sharply. As a bonus, scrolling across the top of the screen is a very readable record of what you have been receiving (or sending). It turns out to be pretty easy to copy the code visually as well as audibly. The program is shareware and has a useful demo version.

Hope that this helps with this problem.

72,

Rich, WB9LPU

Date: Tue, 20 Nov 2001 09:03:33 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: <n5em@flash.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [112308] Re: www.eQSL.cc
Message-ID: <001301c171dc\$e7fa2a00\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well said Ed,

It boils down to: Different strokes for different folks.

Some want the contacts, cards and cert. to satisfy themselves and show others.

Others are satisfied with just the QSO.

Nothing right or wrong with either approach, just different.

I tend toward the later, but I do enjoy card confirmed QSOs with the

bigger DXpeditions, esp. if the QRP. With my marginal antenna I'll be happy with same at 10, 20 or 50W.

So, everybody, set some goals, pick a measurement criteria, then set out on you quest.

73, Rod NØRC
Ft Collins, CO

----- Original Message -----

From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, November 20, 2001 8:39 AM
Subject: Re: www.eQSL.cc

> Gang,
>
> I guess it really begs the question.
>
> 1. Do I want DXCC to impress you? (Then gotta get it from the ARRL
with
> real paper cards because I might cheat)
>
> 2. Do I want DXCC because I worked 100 countries, have fulfilled a
> personal goal and feel good about the work and effort I put into
it - ie,
> for me. (Then I know what I did - if I didn't work them the only
person I
> cheated is me).
>

Date: Tue, 20 Nov 2001 11:08:04 -0500
From: Jake Brodsky <frussle@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [112309] Re: Bone conduction headsets
Message-ID: <68vkvt4du7o1jeoks8dkvor3hjsq289v6d@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Y'know, this idea keeps resurfacing in different places. I remember,

right about the time when the first Walkman radios came out, there was another radio that sort of went around your neck like a towel. It had left and right speakers right under your ears, with some sort of plate conduction to put sound right in to your shoulder and neck. This yielded very good base reproduction. =20

Now they're playing with bone conduction near the ears. =20

I wonder if the old patent ran out and now they're exploiting the technology...

Jake Brodsky, AB3A <mailto:frussle@erols.com>
"Beware of the massive impossible!"

Date: Tue, 20 Nov 2001 11:08:19 -0500 (EST)
From: Dave Gingrich K9DC <gingrich2@dcg.org>
To: Mike Yetsko <myetsko@insydesw.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [112310] Re: Portable QRP Rig
Message-ID: <Pine.LNX.4.30.0111201023500.17967-100000@tigger.dcg.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 20 Nov 2001, Mike Yetsko wrote:

> The K1, especially with '4 bands', sounds like a really neat little
> radio. I'm
> not sure of the power consumption of it, but I know it's LOW LOW LOW!!

Rx = 50 ma, TX @ 5w 800 - 900 ma, but lower requested power can be dialed in. If running on less than 12v, the current will be higher to get to the same power. It will continue to run down to less than 9v.

> And, I saw one blurb that thought the 4-band module was a single option,
> so you could still put one of the original 2-band boards in place for a
> 5th band. But I don't know how true that is.

The four band kit is a new filter board. It comes equipped for 40, 30, 20 and your choice of 17 or 15. You cannot install both a 4-band and 2-band at the same time. The four band kit also cannot do 80m, however you can swap in a two band filter board with 80m on it.

The only problem is if you have the internal antenna tuner, the filter board board is under it, and requires multiple screws and spacers to be removed. Not difficult to do, but it is more tedious than a casual board

swap.

> Thing is, the K1 will be CW only, and if that's what you're going for,
> it's a
> fantastic rig. But if you use your 817 as SSB at all, then you might
> want
> to consider a K2.
>
> It's a LOT more radio, and will consume a LOT more power,

Not all that much more...

RX can be as low as 150 ma, depending on menu settings (LED, low current mixer, etc). TX is less than 3 amps at 10W. 5W is less than 2.

K9DC

Date: Tue, 20 Nov 2001 09:13:01 -0700
From: "Karl Rifenbark" <n7dma@mindspring.com>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [112311] Re: www.eQSL.cc
Message-ID: <HFEHJIPLCMLIEGPKDPOGEEGNCAAA.n7dma@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

As ashamed as I am to admit it, I've always been somewhat a slacker when it came to QSLing a contact. But, since I've started to get a little more serious about ham radio, I QSL much more often these days. I have WB8RCR's QSL software in the computer to make my own cards, and do send them. But, I also QSL thru eQSL a lot. It is instant, and free. With this service, I send confirmation at the end of a day's operating, and most of the folks I talk to have a file at eQSL.

I don't understand the problem with the ARRL not accepting this service for awards, or the reluctance of some people to recognize this valuable tool. Forgery? Heck, if it's that you are worried about, like it has been said on this reflector, if you want it that bad, you can falsify a contact, and make up your own card to verify a non-existent contact. It's up to the integrity of the operator to be honest. Personally, my eQSL account has authenticity guaranteed; I went through the simple process of scanning my ticket into the computer, and sent it to them. It's in their files, and is as much

verification as is needed, in my opinion. Does the ARRL require this authentication for DXCC?

After all, as serious as it gets at times, this is a hobby, and if you cheat, you just diminish yourself.

Just my opinion.

72/73

Karl
N7DMA

Date: Tue, 20 Nov 2001 10:21:46 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Bruce Muscolino <w6toy@erols.com>
Cc: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [112312] Re: www.eQSL.cc
Message-ID: <Pine.LNX.4.33.0111200942330.31569-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi guys...Bruce brings up some interesting points, as has everyone in this discussion, in his recent post... particularly "The cost is spread out and you don't feel it" and "only recently has there been a movement to get QSLs before the ink is dry in your logs"...maybe this last point came about when the first Dxpedition had logs one could check over the internet before the expedition was over...imho neat technology stuff...myself, I like it all as I think all the various ways to get a qsl card as just that; various ways to get a qsl...I use them all...I'm getting a kick out of eQSL because it's another "tool" I can use to enjoy amateur radio and my computer; fun and learning is the hobby for me...finally figured out how to upload a bunch of conacts using ADIF on eQSL..hihi...I believe that there is no simple, inexpensive way to carry out this qsl process and be 100% sure that each card is honest...I've prided myself and continue to do so sharing a hobby that parts of it are based on honesty by most of the people in it...I suspect the ARRL has internally debated the QSL card many times over the years and long before I was born 65 years ago and the points we're all covering now were covered then...it seems to me their present system is probably the best one can have and still keep within resonable costs and honesty...aw, there for me is the rub; the cost has changed...as you are all aware costs for anything sooner or later change....what do I do then?...I change with the times...I now (1) qsl through the bureau(bulk sure saves money but you have to be patient;

tough if you're wanting an award before you die ;-)) and (2) qsl direct (most expensive but I REALLY want it NOW for personal satisfaction or an award!) and (3) I'm now using eQSL("instant" satisfaction & computer time and printer/paper/ink costs but not much so far)...also with #3, the fact I can upload a bunch of contacts instead of sitting down and writing for hours is an attractive feature to me, especially seeing my handwriting can be very shaky these days...hihi)...I'm also going out today to check on Avery labels for my printer so I can take advantage of my Log-EQF labelling utility...I believe the League will change if change is warranted, even though it might not happen as quickly as some people would like to see it happen, myself included sometimes...so far my "feelings" are that for me, there is nothing like that thrill when I open our mailbox and there's a qsl card for me either from our bureau or direct and now on eQSL...and a lot of the cards are really works of art aren't they?...thanks to everyone for an interesting discussion and Happy Thanksgiving to all in the U.S.A!

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Tue, 20 Nov 2001 09:23:09 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: <n7dma@mindspring.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [112313] Re: www.eQSL.cc
Message-ID: <003101c171df\$a4de6ad0\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Karl Rifenbark" <n7dma@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, November 20, 2001 9:13 AM
Subject: Re: www.eQSL.cc

> I don't understand the problem with the ARRL not accepting this

service for

> awards, or the reluctance of some people to recognize this valuable tool.

> Forgery? Heck, if it's that you are worried about, like it has been said on

> this reflector, if you want it that bad, you can falsify a contact, and make

It's new and different, simple as that. Old traditions die hard, and I'm sure a bit of NIH (Not Invented Here). I can say that I paid by ARRL dues! ;-)

Cards are fun, they are a tradition and they'll never go away. Nor should they. But we should also be aware that their authenticity is not all that secure anymore. New copier and computer technology have given forgers an edge. Consider at the trouble the US Treasury goes through to prevent bogus bills.

73, Rod N0RC
Ft Collins, CO

Date: Tue, 20 Nov 2001 09:28:16 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [112314] FOX N0RC Final Log
Message-ID: <004501c171e0\$5be76970\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry for the multiple corrections. Fat fingered the keyboard and deleted some files eatlier. Had to reconstruct thing a bit. This should be it.

Final Fox log.

Setup KNWD 570D(G) @ 5W, Attic Dipole at 20ft
@0304z SFI=207, A=9, K=2

15-Nov-2001 40m Foxhunt

Time	Call	RSTr	Exchag (SPC NAME PWR)
0200	N1FN	559	CO ET 5W
0202	N0TU	559	CO STEVE 5W
0205	W5TB	559	TX DOC 5W
0207	NQ7X	559	AZ FLOYD 5W
0208	K0FRP	599	CO AL 5W
0208	K0EVZ	579	ND DOC 2W
0209	N2WW	559	CO LARRY 5W
0210	K5JHP	559	TX BILL 5W
0211	W7ILW	559	AZ WALT 5W
0213	N4ROA	559	VA DAN 5W
0214	N0AR	559	MN SCOTT 5W
0214	W9HL	559	IL RANDY 5W
0216	KD5KXF	559	TX MIKE 5W
0218	W0UFO	559	MN MERT 5W
0219	AC5JH	559	OK TOM 5W
0221	N7TX	559	TX STEVE 5W
0225	KQ5U	559	TX TERRY 5W
0227	N9IJ	559	IL LEN 5W
0229	AA50	559	LA VERN 5W
0230	N0DSP	599	CO TOM 5W
0231	KK5LD	599	TX JIM 5W
0232	K5ZTY	559	TX BILL 5W
0235	VE5RC	559	SK BRUCE 5W
0236	K3PH	559	PA BOB 5W
0237	W8UJW	559	MI JOHN 5W
0239	KG6CYN	579	CA TREV 5W
0239	VE6JAZ	579	AB BOB 5W
0240	W5YR	559	TX GEORGE 5W
0242	K9DC	559	IN DAVE 5W
0244	VE6EX	559	AB DAN 5W
0245	N6WG	559	CA BOB 5W
0246	K6VNX	559	CA ARLEN 5W
0248	K5DW	559	TX DON 5W
0249	K5DI	559	NM KARL 5W
0250	W0CH	579	MO DAVE 900mW
0252	K8CV	559	MI WALT 5W
0254	N3BJ	559	VA ALAN 5W
0255	NK6A	559	CA DON 5W
0257	W9XU	559	WI LON 5W
0257	W5YA	579	NM FRED 5W
0259	W5USJ	559	TX CHUCK 5W
0300	K4FB	559	FL PAUL 5W
0301	N1TP	559	FL TOM 5W
0303	VE6KG	579	AB NORM 5W
0306	N9AW	559	WI JERRY 5W
0308	K3IU	559	RI KEN 4W
0309	WA9TZE	559	WI JIM 5W

0309	N4MAP	559	GA SAM 5W
0311	WE9K	599	WI GLENN 5W
0313	K4TJD	539	GA TOM 5W
0315	N8IE	559	OH DAN 5W
0316	K8KFJ	559	WV GARIE 5W
0318	VA6RF	559	AB EARL 5W
0319	VE4WI	559	MB CRAIG 5W
0321	NK9G	559	WI RICK 5W
0323	KI0II	559	CO RON 1W
0324	N5OHL	559	OK JIM 5W
0325	K9IS	559	WI STEVE 5W
0326	W0RSP	579	SD ADE 5W
0328	K0PC	559	MN PAT 5W
0329	K00Z	559	IL BRUCE 5W
0330	N5GJQ	559	LA MIKE 5W
0332	K4TJD	559	GA TOM 5W
0333	KB9YIG	559	IN TONY 5W
0334	K4ADI	559	SC FRANK 5W
0335	W8RU	559	MI RON 5W
0339	N5WL	559	OK BART 5W
0341	N0HRL	559	MN KEN 5W
0343	KJOC	559	MO JIM 5W
0343	N5IB	559	LA JIM 5W
0344	AF4LQ	559	KY MIKE 5W
0345	WV9N	559	OH RANDY 5W
0347	WD5CMA	559	LA GLORIA 5W
0349	N7CQR	559	OR DAN 5W
0350	NN5E	559	TX VERN 5W
0351	AF4PS	559	FL MAC 5W
0352	KB7WW	559	OR ART 5W
0356	N9NE	559	MO TODD 5W
0358	VE3FAL	559	ON FRED 5W
0359	N9WW	559	IL JIM 5W
0400	N0RC	559	CO ROD 5W
0400	N0UR	559	MN JIM 5W

73, Rod N0RC
Ft Collins, CO

Date: Tue, 20 Nov 2001 11:40:46 -0500
 From: "Ed Tanton" <n4xy@att.net>
 To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
 Subject: [112315] Bone conduction headsets-order info
 Message-ID: <003a01c171e2\$1cf217e0\$25ec5b0c@n4xy>
 MIME-Version: 1.0

Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

OK guys...here's the deal: I received the reply listed below to my inquiry. They do not seem to have a minimum order, so I think I'll order a set or two (one for my mother who REALLY needs one.) If any of you are interested in getting in on this order, I'll accept your \$40, with the following conditions: 1) I make no promises about them working as stated. That's a risk I'm willing to run to think that my mom could possibly, finally, hear well in movie theaters and the like. Her expensive in-ear hearing aids suck in certain environments; 2) I'll bear the shipping and financial instrument costs unless things get ridiculous; 3) if these people or fate somehow steal the money, obviously I can't afford an international lawyer to try and get it back-so we'd both just be out our \$40.

That's all I can think of. Obviously it's a bit risky, but they don't look like crooks. I will keep anyone 'invested' in this fully informed. Their website is: <www.opentech.co.kr> and the webpage for the headsets is: <<http://www.opentech.co.kr/frame.html#english/product/product.html>>. I cannot see any use in ordering a single-ear version, so I'm talking about the dual-ear unit.

Anybody speak Korean? I THINK it'll be OK in English, but I thought I'd check.

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Email reply to my inquiry:

QUOTE

Dear Sir,

I thank you for your kind interests in Bone Conduction Headset, MSE-120.
As we don't have sole agent in USA for the new product, I hereby inform
you pricing and delivery information as below ;

1. Price : FOB Korea USD39.50/set
2. Delivery : Within 30 days after receiving T/T or Irrevocable at
sight L/C

Sincerely Yours,
Do-Yeol Yang
Team Manager
Global Biz Team
Opentech Inc.
T.82-2-589-4925
F.82-2-589-4949

UNQUOTE

Date: Tue, 20 Nov 2001 09:38:04 -0700
From: "Rod NORC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [112316] psk31 computer to rig interfaces.
Message-ID: <004e01c171e1\$ba8b34b0\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There are a lot of them out there. Most make a big deal about having
opto-coupled PTT switches for isolation. Frankly I don't get it. Is it
that big a deal?

Ditto for the audio chain. The simple divider circuit offered in the
Digipan instructions seems to work just fine. I'm sure having the
impedance of the Rig mic interface matched to the Soundcard output
effect a more efficient power transfer, but sound cards have so much
drive does it really matter much?

What am I missing.

BTW & FWIW I do like the Rigblaster's "plugboard" mic. interface.

Allows for "solderless" interfacing to different rigs.

73, Rod N0RC
Ft Collins, CO

Date: Tue, 20 Nov 2001 10:56:29 -0600
From: David Heintzleman <pstrdave@kdsi.net>
To: qrp-1@Lehigh.edu
Subject: [112317] OT: computer
Message-ID: <3BFA8B3D.3F168C33@kdsi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, I'm running Win 98 on computer - am remembering an old command to "defrag" and ensure windows had first place on the hard drive. Am I remembering correctly and can some share with me that command and if it would work on win 98?

thanks

Dave
K8BBM

Date: Tue, 20 Nov 2001 11:00:58 -0600
From: Fairbairn Bob-C12509 <Bob.Fairbairn@motorola.com>
To: "'pstrdave@kdsi.net'" <pstrdave@kdsi.net>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [112318] RE: computer
Message-ID: <50A3595A9022DE4D8FB4702CD4F79CF7556D05@il06exm25.ds.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Start > Programs > System Tools > (the defragger is there) Disk Defragmenter on Windows 2000.

My win98 box is at home.

73 ke9a

-----Original Message-----

From: David Heintzleman [mailto:pstrdave@kdsi.net]
Sent: Tuesday, November 20, 2001 10:56 AM
To: Low Power Amateur Radio Discussion
Subject: OT: computer

Hi, I'm running Win 98 on computer - am remembering an old command to "defrag" and ensure windows had first place on the hard drive. Am I remembering correctly and can some share with me that command and if it would work on win 98?

thanks

Dave

K8BBM

Date: Tue, 20 Nov 2001 12:12:16 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [112319] Charging NiMH Batteries
Message-ID: <015c01c171e6\$81b93560\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am wanting to charge a 12 volt battery pack comprised of ten AAA NiMH 700mAH batteries. I would like to use a simple wall-wart type DC supply to charge these. What is a "safe" voltage / current for this? If I use a 12V@200mA DC supply... will this damage the batteries? I'm currently charging them at 12.6V and limiting the current to 100mA with a regulated power supply. What is the maximum voltage and current you can safely use to charge a NiMH battery without using a "real" charger that monitors everything?

I'm not looking to FAST charge them... and I can make sure they don't get too hot... I just want to charge them safely. Am I going to have to build a "real" charger? Any suggestions?

Thanks.

72/73 DE KA8MAV (Brice)
Indianapolis, IN EM79au
QRPP-I #1, QRP ARCI #10972, QRP-L #2360, ARRL
KLQRP, FPQRP -156, ARS #1,138, NETXQRP #27
Instant Messenger ID: ka8mav

QRPP International & Tiny-Tornado Transceiver Kits
<http://www.QRPP-I.com>

Date: Tue, 20 Nov 2001 09:19:17 -0800
From: "DTX" <dtx@wood.tzo.com>
To: <qrp-1@lehigh.edu>
Subject: [112320] Re: psk31 computer to rig interfaces.
Message-ID: <014401c171e7\$7c2b96a0\$0c00a8c0@home>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mostly to handle the might-be's. There might be a ground loop. There might be some computer hash coming in. It might be real handy to adjust for level variations with the twist of the wrist, you know, that old fashioned way before mice ;-) So to handle all the might-be's you wind up with a \$29 to \$89 box that should handle them all.

Usually, a couple of 20 db resistive pads and perhaps some little audio transformer (close to a 1:1) if you do get some hum pickup will work fine. I even shut off all the cutesy windows sounds and use the VOX to key the transmitter. One less polarity/isolation thing to worry about ;-)

Gary WA6DTX

> ----- Original Message -----
> From: "Rod N0RC" <rod@n0rc.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Tuesday, November 20, 2001 8:38 AM
> Subject: psk31 computer to rig interfaces.
>
>
> There are a lot of them out there. Most make a big deal about having
> opto-coupled PTT switches for isolation. Frankly I don't get it. Is it
> that big a deal?
>
> Ditto for the audio chain. The simple divider circuit offered in the
> Digipan instructions seems to work just fine. I'm sure having the
> impedance of the Rig mic interface matched to the Soundcard output
> effect a more efficient power transfer, but sound cards have so much
> drive does it really matter much?
>
> What am I missing.
>
> BTW & FWIW I do like the Rigblaster's "plugboard" mic. interface.
> Allows for "solderless" interfacing to different rigs.
>
> 73, Rod N0RC

> Ft Collins, CO

Date: Tue, 20 Nov 2001 11:38:18 -0600
From: Ron Keener <rkeener@realtime.net>
To: unlisted-recipients:; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [112321] I need a schematic of a triplite PR-25a power supply
Message-ID: <3BFA950A.1EDDB94A@realtime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

lightning got mine but it appears to be a minor failure - but I need a
schematic to help in trouble shooting

thanks

ron wa0ree

Date: Tue, 20 Nov 2001 12:46:18 -0500
From: "Kwik, Ed " <ed.kwik@delphiauto.com>
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [112322] Michigan QRP Net Tuesday Nidgts at 9:00 PM Eastern time on 3.535
MHz
Message-ID:
<9F176F70FD71AC48AFC36F879D2B84E38F361A@tryexch01.NorthAmerica.DelphiAuto.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

We had eight check ins last week from five states. Conditions were =
fair. A
couple of weeks ago I declared the QRN season over. I woke up this =
morning
and we had a light dusting of snow, so now I declare that the prime 80 =
meter
season is upon us. Check it out.

S R

1114=D81 3.535 CW K25W WA8BXN 579 599 KIRTLAND OH MIKE
1114=D81 3.535 CW K25W W8IQB 599 579 BRISTOL MI LOWELL

1114=D81 3.535 CW K25W WB8UUJ 229 249 FLUSHING MI TOM
1114=D81 3.535 CW K25W W8EGI 589 599 EAST LANSING MI DON
1114=D81 3.535 CW K25W KI3R 589 579 PORT VUE PA TOM
1114=D81 3.535 CW K25W N=D8UR 549 559 MPLS MN JIM
1114=D81 3.535 CW K25W N8CQA 599 589 ROYAL OAK MI BUCK
1114=D81 3.535 CW K25W K4EQ 559 569 NORTH EAST TN DALE

Ed AB8DF Waterford, MI

Date: Tue, 20 Nov 2001 11:16:15 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [112323] I can Hear Again!
Message-ID: <Pine.LNX.4.33.0111201115390.2038-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I can hear again! Better than since 1991 it appears. My hearing has been going down slowly from 1991, so slowly I didn't notice the change. Last week it appears the large wax-and-hair balls simply covered up the part of the ear that accepts the sound waves and my hearing dropped suddenly to about 10 percent of normal.

My right ear has been dead for a couple of years I think. I know my left has been what I can hear from. Checked this with earphones I use for code tests. They allow you to turn on or off each ear. If I turned off my left ear I heard a very weak code from the right ear.

My eye,ear and throat guy Dr. Pia pronounced pie, looked in both ears and shouted "they are both blocked with old wax". He put some liquid in both ears and left for about 5 minutes. Came back and had me hold a liquid container under my right ear. He then squirted water (I think) into the ear and I heard a crackle and then he quit. Reached in with a hemostat and brought out and showed me a large chunk of brown wax with hair in it. Now he could speak in a normal voice and said it was the largest chunk he had seen. Did the same thing to the left ear and now I was hearing traffic on the street next to his office.

Had a hearing test and it came out with a large hearing loss at frequencies above 3,000 Hz in both ears and an average of 50% loss in my right ear, 45% in the left. I can fix it all with the new digital hearing aids that cost \$5,000.00 a pair. These have 4 ways you can shape the sound

to cancel noise or make them high gain front, or high gain 360 degrees.

To sum up my experience, I went from < 5% hearing in the right and < 10 % in the left to about 50% in both. What a DIFFERENCE! When I started my Jeep to go to the Doctor I could just tell the motor was running. I could not hear other cars. Coming home the Jeep was it's old noisy self and I heard other cars around me.

I should be able to chase DX during the WWDX CW coming up and have all the fun I have had with bad, but usable hearing. The total cost of the fix and information is \$150.00 and it's well worth it. The Collins Mechanical filter for my FT-817 cost the same but is not as valuable as the doctors treatment.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Tue, 20 Nov 2001 13:13:04 -0500
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: neqrp@jona1.net, qrp-1@Lehigh.EDU
Subject: [112324] Tuesday night New England QRP SSB NET 19:30 EST
Message-ID: <0F3183886C.ACF6F01F-0N85256AF7.004D294E@and.us.ray.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

7.280 - 7.205 Mhz at 19:30 EST

Band conditions are not good. QRM/BC play havoc.

If band bad or no one around I will move to

3.063 Mhz at 19:45 EST

Ron - N1ZSW

Date: Tue, 20 Nov 2001 13:07:09 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: Bill ROWLETT <kc4atu@yahoo.com>

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [112325] Re: www.eQSL.cc
Message-ID: <3BFA9BCD.98E04340@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill,

I am sure your grand daughter can do anything she puts her mind to, but don't you think the League, or their checkers, would notice the similarity among your cards? In order to really counterfeit the cards they would all have to be different.

Those cards from actual DX station calls would have to duplicate either real cards. How would they know? Well, unfortunately you would not be the first one to apply for the award, and the checkers would have some experience! Try it. If it works you will go down in history!

73

Date: Tue, 20 Nov 2001 13:24:13 -0500 (EST)
From: Dave Gingrich K9DC <gingrich2@dcg.org>
To: Ronald A Pfeiffer <Ronald_A_Pfeiffer@raytheon.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [112326] Re: Tuesday night New England QRP SSB NET 19:30 EST
Message-ID: <Pine.LNX.4.30.0111201321500.18432-1000000@tigger.dcg.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 20 Nov 2001, Ronald A Pfeiffer wrote:

> 7.280 - 7.205 Mhz at 19:30 EST

Please clarify... Do you mean 7280 first then 7205, or is it a typo and you mean 7280 - 7285 (which is where you've been before)

> If band bad or no one around I will move to
>

> 3.063 Mhz at 19:45 EST

CW I presume, or do you mean 3863 ??

Dave K9DC

Date: Tue, 20 Nov 2001 10:44:15 -0800
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [112327] Re: www.eQSL.cc
Message-ID: <20011120104415.B1760@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Tue, Nov 20, 2001 at 10:23:28AM -0500, Lee Mairs wrote:
> I shudder to think how expensive it was to get the 250+ that I have. Lots
> of green stamps and SASEs. And my SO almost threw them out announcing, "You
> never look at these. They just clutter up the desk drawer." Yikes!
> 73 de Lee, km4yy

I moved from AZ to WA 18 last year and still haven't located the shoe box with my collection representing over 40 years of operating and >250 countries, including several which I had not yet submitted for credit. Hopefully they're all still around (somewhere!).

73,

Bob Nielsen, N7XY	nielsen@oz.net
Bainbridge Island, WA	http://www.oz.net/~nielsen
IOTA NA-065, USI WA-028S	

Date: Tue, 20 Nov 2001 13:37:20 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [112328] Re: psk31 computer to rig interfaces.
Message-ID: <5.1.0.14.1.20011120131600.00a736c0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:38 AM 11/20/2001 -0700, you wrote:
>There are a lot of them out there. Most make a big deal about having
>opto-coupled PTT switches for isolation. Frankly I don't get it. Is it
>that big a deal?

Rod,

It can be. My old TR-3 had about -60V on the key/PTT line. Granted it was a tube rig, and that line was current-limited, but enough voltage in the wrong place could be a problem to a PC.

Also, the AC line going into my rig had 0.01uf bypass caps from hot and neutral to the case. If the case wasn't properly grounded, there was enough current to get a tickle off of it. From the feel of it, I'd guess it was about 60V. Too rich for my computer's blood.

An opto may seem like overkill when the audio is coupled through a small cap and/or resistive divider - by rights it should be a transformer - but jellybean optos are pretty cheap insurance.

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Tue, 20 Nov 2001 13:48:57 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <Ronald_A_Pfeiffer@raytheon.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [112329] Re: Tuesday night New England QRP SSB NET 19:30 EST
Message-ID: <008b01c171f4\$e4dc8260\$6501a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, I'll be at Scouts again, as normal, but now that I have the 4' whip on the Jeep, I was thinking of trying to check in. But if it goes to 80M, there's no way. I can pull in the antenna on 40M with the ATU, but not on 80M.

Mike

----- Original Message -----
From: Ronald A Pfeiffer <Ronald_A_Pfeiffer@raytheon.com>

> 7.280 - 7.205 Mhz at 19:30 EST
>
> Band conditions are not good. QRM/BC play havoc.
>
> If band bad or no one around I will move to
>

> 3.063 Mhz at 19:45 EST

>

> Ron - N1ZSW

Date: Tue, 20 Nov 2001 01:26:27 -0500
From: "ZOOM" <kandrparker@sympatico.ca>
To: <rod@n0rc.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [112330] Re: psk31 computer to rig interfaces.
Message-ID: <007401c1718c\$495a4f60\$3294fea9@robertpa>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I will be a big deal if your using only transistors and get a short. Your parallel port will be toast Among other things.

I must however state that the probability of this ever happening is slim!

I use just 2n2222 in mine only because that's what's in my junkbox.

Cheers,
Robert
VE3RPF

----- Original Message -----
From: Rod N0RC <rod@n0rc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Tuesday, November 20, 2001 11:38 AM
Subject: psk31 computer to rig interfaces.

> There are a lot of them out there. Most make a big deal about having
> opto-coupled PTT switches for isolation. Frankly I don't get it. Is it
> that big a deal?

>

> Ditto for the audio chain. The simple divider circuit offered in the
> Digipan instructions seems to work just fine. I'm sure having the
> impedance of the Rig mic interface matched to the Soundcard output
> effect a more efficient power transfer, but sound cards have so much
> drive does it really matter much?

>

> What am I missing.

>

> BTW & FWIW I do like the Rigblaster's "plugboard" mic. interface.

> Allows for "solderless" interfacing to different rigs.
>
> 73, Rod N0RC
> Ft Collins, CO
>

Date: Tue, 20 Nov 2001 13:52:35 EST
From: IamSF5@aol.com
To: k5di@zianet.com, qrp-1@lehigh.edu
Subject: [112331] Re: I can Hear Again!
Message-ID: <b0.1d9525a5.292c0073@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 11/20/01 1:15:25 PM Eastern Standard Time, k5di@zianet.com writes:

<<

To sum up my experience, I went from < 5% hearing in the right and < 10 % in the left to about 50% in both. What a DIFFERENCE! When I started my Jeep to go to the Doctor I could just tell the motor was running. I could not hear other cars. Coming home the Jeep was it's old noisy self and I heard other cars around me.

>>

Karl,
Glad to hear everything worked out for you.
Just maybe that clump of wax and hair gave your ear drums some protection.
Over a long period of time
Use the phones but keep them slid back a bit and take care of what you have left.
Now go get that FOX:))
Bob
WA2HQrp <tm>

Date: Tue, 20 Nov 2001 18:36:03 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: bdh@cyberbound.net, qrp-1@Lehigh.EDU
Subject: [112332] Re: Charging NiMH Batteries
Message-ID: <F191SAXqeJGKTI9cuY20000b134@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>
>I am wanting to charge a 12 volt battery pack comprised of ten AAA NiMH
>700mAH batteries. I would like to use a simple wall-wart type DC supply to
>charge these. What is a "safe" voltage / current for this? If I use a
>12V@200mA DC supply... will this damage the batteries? I'm currently
>charging them at 12.6V and limiting the current to 100mA with a regulated
>power supply. What is the maximum voltage and current you can safely use
>to
>charge a NiMH battery without using a "real" charger that monitors
>everything?
>
>I'm not looking to FAST charge them... and I can make sure they don't get
>too hot... I just want to charge them safely. Am I going to have to build
>a
>"real" charger? Any suggestions?
>

NiMH cells should be charged at constant current, like NiCds. You don't need anything fancy if you are going to charge them slowly (C/10) for 14 hours or so - a 317 regulator wired to give constant current will do, or a transistor with the base held at a fixed voltage. The resistor you are using will limit the current, of course.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Tue, 20 Nov 2001 12:59:53 -0600
From: David Heintzleman <pstrdave@kdsi.net>
To: qrp-1@Lehigh.edu
Subject: [112333] OT: Computer
Message-ID: <3BFAA829.488FCED@kdsi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to all who reminded me how to "defrag" hard drive. What I was trying to remember was an added command from DOS that "forced" the placement of the windows directory - and if that command would work on

win98 system. ring any bells?

appreciate the amount of replies and the spirit of them - great bunch of folks

Dave
K8BBM

Date: Tue, 20 Nov 2001 13:59:43 -0500
From: "Tim A. King Jr." <iflyos@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [112334] 6 Meters is open again!!
Message-ID: <F10sD8TeABBiAmCszJt00005196@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Just got a call from the YL's father. 6 meters s open from Winston Salem, NC to Cali and Oregon, Canada, ETC. If anyone is near a rig and wants to play, Have at it!!!

I think maybe I should leave work...I seem to feel sick all the sudden!!

PS...if you do try the opening and hear WB4MSG, thats my YL's father. He said he is getting 20 to 30 over S9 reports from the guys he is working....

Tim A. King, Jr.
KG4MQD
Safety Officer, Hobby Park R/C Aircraft Club
Winston Salem, NC
AMA# 578668

Albert Einstein, when asked to describe radio, replied:

"You see, wire telegraph is a kind of a very, very long cat. You pull his tail in New York and his head is meowing in Los Angeles. Do you understand this? And radio operates exactly the same way: you send signals here, they receive them there. The only difference is that there is no cat."
Albert Einstein (1879-1955)

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Tue, 20 Nov 2001 14:24:59 -0500
From: "Mike Melland" <w9wis@charter.net>
To: qrp-l@lehigh.edu
Subject: [112335] [OT] FS: NJQRP PSK-80 Warbler Kit and Misc.
Message-ID: <web-641771@dc-mxdb03.cluster1.charter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"
Content-Transfer-Encoding: 8bit

I have a NJQRP PSK-80 Warbler kit for sale with the manual.
\$43 shipped.

Also still have a nice Auttek QF-1A with instructions for
sale... \$35 shipped

And a great non QRP item... Hickock 752A tube tester,
excellent condition, works great, original manuals etc.
included. Email for pics and additional info if interested.
Asking \$390 plus shipping.

Regards,

Mike, W9WIS

Date: Tue, 20 Nov 2001 14:17:33 EST
From: NV9Z@aol.com
To: qrp-l@lehigh.edu
Subject: [112336] FS: MFJ QRP Rigs
Message-ID: <23.14b2dd68.292c064d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello QRPers!

For Sale: MFJ 9020 and 9040 monobanders, both with optional keyer and cw
filter options installed. \$325.00 shipped USPS Priority Mail (CONUS). I
would prefer to not split them up. Hope to use the proceeds to buy either a
QRP Plus or Alinco DX-7x.

I am giving my QRP-L friends first crack at these rigs. I will list them on
QRZ.com if there is no interest within a few days.

Please contact me off list at NV9Z@aol.com.

Thanks and very 73/72!

Chris Blaase NV9Z QRP-L #2370

Date: Tue, 20 Nov 2001 12:40:25 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [112337] Re: Current-Limiting IC
Message-ID: <3.0.6.32.20011120124025.0079f100@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

> As I recall, the 3-tab adjustable voltage regulator ICs (such as the
>LM317) will function as a current regulator if there is a resistor in the
>output circuit, with the adjusting leg tied to output after the resistor.
> Rod WE7X
>

That configuration will produce a constant current source, ie, it wants to supply a constant current in to load of varrying resistance. That's a little different than a current limiter, which allows the current to rise up to a specified cut off point.

The simplest current limiter is a resistor across the base-emittor of a transistor in the return path of the current. This is the scheme used in a 723 regualtor chip. When the current through the resistor becomes great enough to turn on the transistor (about 600 mv) the collector is used to pull down or turn off the reference voltage or the drive to the output transistors of the regualtor.

There are some new "high side" current sense IC's which allow you to monitor the current going into the load, rathier than the current coming out of the load, which in many cases is a better way to do it. They use "rail-to-rail" op amp topology which allows them to run at the supply voltage, instead of needing a higher operating voltage than the output of the supply, handy for battery operated devices. They can also use a much smaller current sense resistor, giving better supply regulation as the current goes up. I belive Maxam makes some of these, but they like to put thier parts in tiny packages.

As to the origianl question about if there is a motor driving IC with built in current limiting, that I don't know. Good chance there is one someplace..

72, Steve, KD1JV
Berlin, NH
in the White Mountains

Date: Tue, 20 Nov 2001 19:52:46 +0000
From: Garie Halstead <k8kfj@ntelos.net>
To: Tim KG4MQD <iflyos@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [112338] Re: 6 Meters is open again!!
Message-ID: <3BFA6E3E.6A763A5@ntelos.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On Tuesday, 20 November 2001, Tim King wrote:

> Just got a call from the YL's father. 6 meters s open from Winston Salem,
> NC to Cali and Oregon, Canada, ETC. If anyone is near a rig and wants to
> play, Have at it!!!

We experienced a West Coast opening here in WV around 1645z. Worked a couple more new grids (DM13 and DM03). The K6FV beacon in CM87 was 579 here. Sorry but I didn't hear WB4MSG.

So, did you take a sick day and play radio? :-)

73 //Gary *K8KFJ*
West Virginia [EM98]

Date: Tue, 20 Nov 2001 11:06:57 -0500
From: Bob Kellogg <ae4ic@nr.infi.net>
To: KLQRP Reflector <klqrp@knightlites.org>,
Low Power Amateur Radio <qrp-l@lehigh.edu>
Subject: [112339] Holiday Milliwatt contest
Message-ID: <3BFA7FA1.9AA7B000@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

QRPpers,

The Knightlite QRP Association will again sponsor the Holiday Milliwatt contest which takes place during the Holiday season between Christmas and New Years day.

This annual contest is a showcase of what can be done with really low power. It's also a fun contest. Luck as well as propagation will play it's part in the score. The number of different first names worked can make a big difference, too. In spite of these quirks in the rules, we have seen certain individuals make a strong showing in this contest year after year, so skill and effort count the most.

Clubs are encouraged to participate. Club stations will be worth additional bonus points to participants. Please drop me a note if your club plans to operate. Top scores for Clubs will be recognized.

The contest runs in the evening of three week days and participants submit their log for the best two days effort. So, everyone can participate on some level, in spite of busy Holiday schedules. Operating times are staggered to accommodate time zones, giving the west coast and east coast equal opportunity to work the higher bands.

The complete rules will appear at www.Knightlites.org, and are listed below for your convenience.

CONTEST: Holiday Milliwatt CW contest - 2001.

DATES AND TIMES: Wednesday, Dec. 26, 2001, 1800Z to 2200Z, Thursday, Dec. 27, 2000Z to 0000Z and, Friday, Dec. 28, 2200Z to 0200Z, Saturday, Dec.29.

Contestants may submit a log for only 2 days of the 3 day contest.

FREQUENCIES: 160M, 80M, 40M, 20M, 15M, 10M, near standard QRP calling frequencies.

EXCHANGE: Exchange RST, SPC, First Name, PWR. (Club)
Suggest using W as decimal point when reporting power. I.e., 1W5 = 1.5W, W5 = 500mW, W25 = 250mW, W02 = 20mW.

SCORING: QSO points are awarded to contestants according to their power output. Power may be changed from QSO to QSO and must be noted in the log.

1001mW and over	1	Point
501mW to 1000mW	2	Points
251mW to 500mW	4	Points
101mW to 250mW	8	Points
51mW to 100mW	16	Points
26mW to 50mW	32	Points
11mW to 25mW	64	Points

1mW to 10mW 128 Points
<1mW 500 Points

NOTE: No schedules or prearranged contacts between stations are permitted.

BONUS MULTIPLIER: Number of identical first letters of first names worked.

I.e., worked Jim, John, Jennie, Joe, Jack, = 5 multiplier.

Note: one name only counts once - if you work 10 Jacks, that's still just one multiplier.

CLUB BONUS: Anyone who works a club station (Clubs add "Club" to the exchange) which is running the specified power levels listed below collects bonus points as follows:

(Clubs will not raise or lower power to accommodate a single QSO.)

900mW 1,000 points
500mW 2,000 points
250mW 3,000 points
100mW 4,000 points
50mW 5,000 points

Calculate score for each days activity:

(QSO Points) X (Total SPC Multipliers all bands) X (Bonus Multiplier)

+

(Club Bonus total) = Daily Score.

Add the two best daily scores to find Total Score.

PRIZES: Highest single operator score will receive a Keylite Kit from the Knightlites QRP Association. The top five scores will receive Certificates.

LOGS: Submit logs before Feb 1st, 2001. Winners will be announced on QRP-L and KLQRP. Send email entries to: ae4ic@infi.net. Paper logs:

Bob Kellogg, AE4IC
4708 Charlottesville Rd.
Greensboro, NC 27410

--

73,

Bob Kellogg, AE4IC, Greensboro, NC
Prolably, not nececelery. -Benny Hill

Date: Tue, 20 Nov 2001 15:52:22 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [112340] 160m QRP success?
Message-ID: <bc.1d257de2.292c1c86@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I would like to hear from those that have dipped there toes in the deep end of the pool and tried QRP on 160m SSB/CW. Here is my experience todote:

QRP (5watts) :
132 ft inverted vee end fed wire 35 ft up in middle
CW-----CA, WA,OR,ID, NV

33ft x 33ft Inverted-L
SSB----CA, WA, ID

100watts
132 ft inverted vee end fed wire 35 ft up in middle
SSB---PA, MD, FLA, TX, OK, OH, NM, CA,WA,ID,OR, HI
Canada and Mexico
(This was during 160m contest last year)

I am interested in finding out what antennas have been successfull with low power on this band.

Date: Tue, 20 Nov 2001 15:54:36 EST
From: Davewb4@aol.com
To: qrp-l@lehigh.edu
Subject: [112341] 26MHZ Xtal
Message-ID: <105.c97e52a.292c1d0c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Looking for a 26MHZ fundamental xtal. HC18U or 49 holder preferred. Anyone have one to sell or trade? Please reply off list.

73
Dave Rogers
WB4CHK
Plantation, FL

Date: Tue, 20 Nov 2001 15:56:07 EST
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [112342] 160M success? (was from Alan KB7MBI)
Message-ID: <cc.1f9d4e4.292c1d67@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Sorry about missing my signiture on post

Alan KB7MBI in Woodinville, WA
FISTS 5702 Proud member of ARRL

I would like to hear from those that have dipped there toes in the deep end of the pool and tried QRP on 160m SSB/CW. Here is my experience todote:

QRP (5watts) :
132 ft inverted vee end fed wire 35 ft up in middle
CW-----CA, WA,OR,ID, NV

33ft x 33ft Inverted-L
SSB----CA, WA, ID

100watts
132 ft inverted vee end fed wire 35 ft up in middle
SSB---PA, MD, FLA, TX, OK, OH, NM, CA,WA,ID,OR, HI
Canada and Mexico
(This was during 160m contest last year)

I am interested in finding out what antennas have been successfull with low power on this band.

Date: Tue, 20 Nov 2001 16:04:06 -0500 (EST)
From: Dave Gingrich K9DC <gingrich2@dcg.org>
To: <ARDUJENSKI@aol.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [112343] Re: 160m QRP success?
Message-ID: <Pine.LNX.4.30.0111201556270.18634-1000000@tigger.dcg.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 20 Nov 2001 ARDUJENSKI@aol.com wrote:

> -----

> I am interested in finding out what antennas have been successfull with low
> power on this band.
>

I'm puzzled by the question...

The same antennas would be used for QRP as QRO. If you run 5 watts you will have 13db less sig at the receive point than the guy running 100 watts, regardless of the antenna you use.

I use a 150 ft end fed wire using an SGC-230. It works FB at 100w and 5w on 160m. The only problem I have is the 5w is just barely enough power to get the SGC-230 to tune.

K9DC

Date: Tue, 20 Nov 2001 16:07:39 -0500
From: "Mike Melland" <w9wis@charter.net>
To: qrp-1@lehigh.edu, njqrp@njqrp.org, forsale-swap@qth.net
Subject: [112344] [OT] Iambic keys FS
Message-ID: <web-581798@dc-mxdb06.cluster1.charter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"
Content-Transfer-Encoding: 8bit

Bencher BY-1 Iambic (black crinkle base chrome upper),
excellent condition, \$65 shipped (\$100 new)

Hi-Mound MK-706 Iambic (grey base), excellent condition, \$85
shipped (\$120 new)

73 de Mike, W9WIS

Date: Tue, 20 Nov 2001 16:30:53 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'k5di@zianet.com'" <k5di@zianet.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [112345] RE: www.eQSL.cc
Message-ID: <125490A005E3D3118C9C00805FC743CC023B3C47@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

<http://www.arrl.org/news/stories/2001/08/02/3/>

"Logbook of the World" Software Design Under Way

73,

Ed Hare, W1RFI

ARRL Lab

225 Main St

Newington, CT 06111

Tel: 860-594-0318

Internet: w1rfi@arrl.org

Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Karl F. Larsen [<mailto:k5di@zianet.com>]

> Sent: Tuesday, November 20, 2001 7:33 AM

> To: Low Power Amateur Radio Discussion

> Subject: Re: www.eQSL.cc

>

>

>

> I think ARRL is planning to put one on their web page in the distant
> future. That's what they will accept.

>

> On Tue, 20 Nov 2001, Thomas Kuehl wrote:

>

> > Karl,

> >

> > As I recall, the ARRL is going to accept them in the not
> too distant future.

> > They are establishing the acceptance criteria, before the
> implementation.

> >

> > But then again, I may have dreamt this up in my mind. A
> middle age thing . .

> > .

> >

> > Regards, Thomas - AC7A (Tucson)

> >

> > "Karl F. Larsen" wrote:

> >

> > > I got (printed out) and sent 4 QSL cards just now
> on that eQSL

> > > system. I cannot imagine why ARRL doesn't trust them. I

> expect it's a not

> > > invented here syndrom. They sure do a brisk business
> since you can reach
> > > it from almost any country in the world.
> > >
> > > They had a vote thing in a sidebar and it was
> "are you a ARRL
> > > Member?" and 67% of those who answered are.
> > >
> > > --
> > > Yours Truly,
> > >
> > > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> > > <http://www.qsl.net/k5di/>
> >
> >
>
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> <http://www.qsl.net/k5di/>
>

Date: Tue, 20 Nov 2001 16:32:55 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <IamSF5@aol.com>, "Bill Coleman" <aa4lr@arrl.net>,
"QRP" <qrp-1@lehigh.edu>
Cc: <antennas@qth.net>
Subject: [112346] Re: Hers what i'm up against Heads up antenna experts
Message-ID: <1011020163257.QAA03623@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 11/16/01 5:38 PM, IamSF5@aol.com at IamSF5@aol.com wrote:

>>
>> Verticals. They require radials, but are probably the best choice for
>> your limited height. Also consider an inverted L for 40m.
>>
>> >Keep in mind that I feed all my antennas with 75 ohm CATV coax because of
>> >the 100% shield.

My suggestion of verticals was based on the concept he had a one or two
story building. Someone since informed me that he was on top of a
multi-story building. Different situation.

>Verticals pick up too much noise.

Not true. Although a vertical is usually omni-directional, it doesn't tend to pick up any more noise than any other single-element antenna. Indeed, a horizontal doublet less than 1/2 wave high is virtually as omni-directional, and should have a similar noise foot-print.

>Plus traps generate harmonics.

BUNK. There is nothing inherent in a trap that would generate harmonics.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Tue, 20 Nov 2001 16:33:26 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <mgipe@reliablemeters.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [112347] RE: Hers what i'm up against Heads up antenna experts
Message-ID: <1011020163327.QAA03745@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 11/16/01 6:24 PM, Mike Gipe at mgipe@reliablemeters.com wrote:

>Since you can put up three antennas, I would start with:
>
>Number 1: a 90 foot crank up tower topped by a Force 12 C4SXL
>
>Number 2: a nice 160 meter vertical -- there's an outfit in Florida that
>makes a nice one, I believe
>
>Number 3: A smaller tower with a 144/432 satellite array.
>
>Of course, this still leaves 80 meters...

Shunt-feed the tower for 80m....

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Tue, 20 Nov 2001 16:41:05 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: Len Revelle <lenrev@ameritech.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [112348] Re: www.eQSL.cc
Message-ID: <3BFACDF1.6DEC906B@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Len, and everybody else who wrote to me and/or the list.

The really significant thing about DXCC (and other ARRL awards) is that they extend way back into ham radio's past. This also applies to awards given out by other major radio clubs.

To make changes in a willy nilly fashion to accommodate a few hams only devalues the efforts of others who either have won the award or have been working for it. I personally congratulate the League on standing by their guns and having a conservative attitude toward their awards

If anyone can get the real award by sending in a QSO list devalues the work of the thousands who went before you. If, and when, the League does change things, look for careful consideration of generations of hams who already have the award!

73

Date: Tue, 20 Nov 2001 16:44:57 -0500 (EST)
From: Dave Gingrich K9DC <gingrich2@dcg.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [112349] Re: 160m QRP success?
Message-ID: <Pine.LNX.4.30.0111201639400.18634-1000000@tigger.dcg.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ooops---

Let me correct:

On Tue, 20 Nov 2001, Dave Gingrich K9DC wrote:

>
> I'm puzzled by the question...
>
> The same antennas would be used for QRP as QRO. If you run 5 watts you
> will have 13db less sig at the receive point than the guy running 100
> watts, regardless of the antenna you use.

Actually what I really meant was your sig will be 13db less when running 5w than when running 100w, regardless of what antenna you use. Your sig versus the "other guy's" has a few other factors involved.

K9DC

Date: Tue, 20 Nov 2001 16:44:15 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: "Bruce Muscolino" <w6toy@erols.com>,
 "Bill Coleman" <aa4lr@arrl.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [112350] Re: Hers what i'm up against Heads up antenna experts
Message-ID: <1011020164415.QAA04721@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 11/17/01 9:53 AM, Bruce Muscolino at w6toy@erols.com wrote:

>
>
>Bill,
>>
>> Bruce, a 1/2 wavelength on 40m is over 60 feet!
>>
>At no time did he say he was length limited. I said IF HE HAD THE
>SPACE, and wanted to stay with wire, a dipole represented the best
>choice. I also suggested trapped dipoles. Please go back and reread my
>original posting.

No, no, Bruce, I wasn't talking about 60 feet LONG, I was talking about 60 feet HIGH!

>One other point, a dipole can be put up so that its legs are bent. This
>may be an easier solution than installing a vertical!

Think HEIGHT not WIDTH.

However my advise may be misplaced. I had assumed this fellow was on top of a 1 or 2 story building. If he's on top of a multi-story edifice, he already has the height to make a doublet effective.

>> If you can't get a dipole up at least 1/4 wavelength, you're better off
>> with a vertical, IMHO.

>>

>You are welcome to your opinion. Verticals can and do work very well,
>but they take more knowledge of the installation than just saying put
>up one, and oh ny the way, you'll need radials!

Proper installation is important in any antenna.

>> >If you are feeding with coax, a balun will not do you any good.

>>

>> Baloney!

>>

>Depends whether you like plain baloney or seasoned! With a wire dipole they
>MAY have some advantage. Using 75 ohm coax does give a better match to a
>dipole. BUT, with a vertical they will be more of a liability than a
>boon.

I don't see how using 75 ohm coax or a vertical has anything to do with a
(choke) balun.

>A vertical is an unbalanced antenna. Adding radials does improve the
>balance somewhat.

No, the radials are part of the antenna. A 1/4 vertical requires a ground
plane to operate properly. Radials are an effective way to get that
ground plane.

> NUT, unless the radials are pruned for each band the
>antenna will be essentially unbalanced.

Radials do not have to be "pruned" for each band. Sufficient radials for
the lowest frequency of operation will work just as well on the higher
bands.

And a vertical is unbalanced no matter how many radials you put on it.

> A Balun is the wrong thing to use.

Not necessarily. We're talking about current (choke) baluns. The idea of
such a balun is to avoid common-mode currents on the feedline. A
differential current is exactly what an unbalanced feedpoint needs.

I totally agree a voltage balun would be completely ineffective with a vertical. However, a current choke can avoid carrying common-mode currents. Perhaps calling it a "balun" is a misnomer. It is really an "unun" in this service. However, physically and electrically, it is the same. However, if you suggested installing an "unun", people look at you funny.

>Note: I am referring to 1/4 wave verticals, not half wave verticals,
>which do not require radials in most cases!

Half-wave verticals have the problem that they induce ground losses off the lowest end of the antenna. They can benefit from radials to reduce these losses.

But, yeah, I was referring to 1/4 wave verticals -- since the limiting factor in this case was considered HEIGHT. 1/4 wave verticals are half the height of 1/2 wave verticals.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net

Quote: "Not within a thousand years will man ever fly!"

-- Wilbur Wright, 1901

Date: Tue, 20 Nov 2001 14:57:21 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [112351] VK8NL
Message-ID: <Pine.LNX.4.33.0111201451550.2444-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Looks like another DX station warming up. I Worked him just now on 28.019 with my FT-817. I had to use Fox Hunt training to get him with QRP. I set up both VFO's and Split and moved my call just a bit lower than he is on and BINGO! It is now 19:50 UTC.

By the way my new ears are working a lot better. This really is a VK somewhere interesting I expect.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

<http://www.qsl.net/k5di/>

Date: Tue, 20 Nov 2001 16:04:33 -0600
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-1@lehigh.edu
Subject: [112352] Re: 160m QRP success?
Message-ID: <5.1.0.14.0.20011120152758.00a2fec0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Alan,

I worked the following states on 160M during the winter of 1999: ND, LA, KY, AR, VA, IN, WV, IL, PA, OH, TX, WI, TN, OK, NE, MS, CO, MN, MI, NY. Both ragchews and contesting on CW are represented, and some states were worked several times.

I ran one watt to a St. Louis Doublet at 50' with a Corsair I. Also ran up to five watts from time-to-time but didn't keep track of those states.

I'm going to put the tuned doublet up again this weekend after laying off for a year. It's actually an 88' flattop for 10-80M with the ends drooping to about 20'. For 160M, the computer ribbon cable feedline (about 80') is shorted and the antenna fed against ground.

To get to ground, I use a shorted run of 300 ohm twinlead (about 15') from the tuner to the copper cold water inlet on the basement potty! <g>

Regards,

de Dave, NF0R nf0r@slacc.com

Date: Tue, 20 Nov 2001 15:20:42 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [112353] RE: www.eQSL.cc
Message-ID: <Pine.LNX.4.33.0111201511200.2753-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I see your using Source Forge as the writer of the software you will be using. Those guys much prefer working with Linux. I guess for money thay will port it to DOS/Windows. The end date is Next Summer sometime. As a writer of C and C++ I think software of this complexity will take a lot longer from scratch to a proven software. Perhaps they have some bank used encrption and signature verification software already.

This reminds me of when the VE system was first set up. ARRL was a VEC and they REQUIRED that every candidate pre-register with ARRL Headquarters. Here in Las Cruces, NM we decided that was stupid and found W5YI VEC who has walk-ins. Stayed with YI until Bart Jankie took over ARRL VEC and made it what it is today, first class.

On Tue, 20 Nov 2001, Hare,Ed, W1RFI wrote:

> <http://www.arrl.org/news/stories/2001/08/02/3/>
>
> "Logbook of the World" Software Design Under Way
>
> 73,
> Ed Hare, W1RFI
> ARRL Lab
> 225 Main St
> Newington, CT 06111
> Tel: 860-594-0318
> Internet: w1rfi@arrl.org
> Web: <http://www.arrl.org/tis>
>
>
>

> > -----Original Message-----

> > From: Karl F. Larsen [<mailto:k5di@zianet.com>]
> > Sent: Tuesday, November 20, 2001 7:33 AM
> > To: Low Power Amateur Radio Discussion
> > Subject: Re: www.eQSL.cc
> >
> >
> >

> > I think ARRL is planning to put one on their web page in the distant
> > future. That's what they will accept.
> >

> > On Tue, 20 Nov 2001, Thomas Kuehl wrote:

<http://www.qsl.net/k5di/>

Date: Tue, 20 Nov 2001 17:19:45 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: Bill Coleman <aa4lr@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [112354] Re: Hers what i'm up against Heads up antenna experts
Message-ID: <3BFAD701.5C6F9A3E@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Full sized verticals are very big at most any frequency, but a 1/4 wave on 40 meters is only 33 feet, not 66 feet. 1/4 wave verticals work very well mounted on the ground or elevated. I can show you logbooks from Holland where I used almost nothing but!

I happen to like trapped verticals because they don't require as much effort to install. 1/2 wave verticals are not a consideration here, but a 1/2 wave vertical would be about 66 feet for 40 meters!

I also believe in coax feed. Using open wire cause too many problems with the proximity of the ground and other objects in a vertical installation. Any 1/4 wave vertical requires a good ground plane to work efficiently, Radials are one way to get it. While a large number of radials at eh lowest operating frequency will work, fewer resonant radials also work!

I am sure if you are dedicated to keeping RF off the fed line, a choke balun will do a good job. I never had to be that dedicated! Several turns of coax will work as well as ferrite cores, and will be somewhat cheaper, since you already have it for the feeders!

73

Date: Tue, 20 Nov 2001 13:30:44 -0900
From: Jim Larsen AL7FS <AL7FS@ARRL.NET>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>,
GQRP Mail List <GQRP@yahoo.com>
Subject: [112355] KL7Y and SS - Just for fun (JFF) - long
Message-ID: <3BFAD994.886B82C0@ARRL.NET>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Greetings,

Here is what good antennas can do from Alaska. Not bad for SSB. :-)

KL7Y's comments follow.

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
mailto:al7fs@arrl.net - <http://www.qsl.net/al7fs/>
=====

Subject: Re: How did he do
From: Dan Robbins kl7y

1200 QSOs, all 80 sections for 192,000. It was pretty unbelievable, but I think one of the big things was Packet. Once he got spotted, a pileup quickly built up and even though 5 watts would not hold a freq, a big-ass pileup sure does. He would sit there not working much and all of a sudden he would yell, "I think I got spotted...." I'd go look at the Cluster and, sure enough, there was KL7Y spotted. And John would be in the other room running like crazy.

If he doesn't lose too much after log checking it will be a new QRP record for SS. I tell you, I sure would not have the patience to do it. I'll forward the breakdown by band, you can sure tell which bands have the 4 stacked antennas.

KL7Y

=====

Here's the breakdown and comments I posted to the 3830 reflector (where they accumulate contest scores):

Call: KL7Y
Operator(s): WA2GO
Station: KL7Y

Class: S0 QRP
QTH: AK
Operating Time (hrs): 21
Radios: S02R

Summary:

Band	QSOs
------	------

160: 0
80: 0
40: 11
20: 106
15: 372
10: 711

Total: 1200 x 80 = 192,000

Club:

Comments:

Wow, just an unbelievable effort by operator WA2G0. Credit John with perseverance, patience and a great S02R effort. Of course, the great propagation helped a lot, not to mention the 4 stacked 5 el yagis on 10 and 15. In looking at his breakdown, 80 was useless at the 5 watt level and 40 was almost as bad. 20 was a real struggle. It was only on 10 and 15 where he could get anything going.

Here's a typical result of hearing one side of a typical QRP QSO on 20:

"No, no, Seven seven,seven seven, seventy-seven."

"No, no, no. Seven, seven, seven, seventy-seven."

"Negative, negative. First number Seven, seven, seven, seven, seventy-seven."

"Roger, roger, roger."

"Yes, yes, you have it right. Roger, roger, roger."

Repeat process 100 times.

Dan KL7Y

Date: Tue, 20 Nov 2001 17:59:52 -0500
From: "Blake M. Meinecke" <n4gi@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [112356] RE: www.eQSL.cc
Message-ID: <01C171ED.28484FA0@6535233hfc96.tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

-----Original Message-----

From: Bruce Muscolino [SMTP:w6toy@erols.com]
Sent: Tuesday, November 20, 2001 4:41 PM
To: Low Power Amateur Radio Discussion
Subject: Re: www.eQSL.cc

>If anyone can get the real award by sending in a QSO list devalues the
>work of the thousands who went before you. If, and when, the League
>does change things, look for careful consideration of generations of
>hams who already have the award!

It's not devaluating the effort the person put into _ham radio_ at all. =
Given equal conditions (ant., radio, location, etc.), the person turning =
in the "QSO list" has to sit in pileups for the same amount of time as =
the person with the stack of cards in order to work the same # of =
countries. The only difference in "work" here would then be related to =
trying to "work" the postal system- (I don't recall any IRC v.s. =
Greenstamp questions on my FCC exams). =20

Maybe the League should start the transition by entertaining 2 different =
categories: DXCC standard, and E-DXCC. I'd pick the E-DXCC and dump =
the saved \$\$ into my station (no-brainer). Does a book of stamps load =
on 160????

Blake N4GI

Date: Tue, 20 Nov 2001 18:08:37 -0500 (EST)
From: baltimoremd@baltimoremd.com
To: "Karl F. Larsen" <k5di@zianet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [112357] Re: Another Juno alternative: QSL.NET!
Message-ID: <20011120180749.I47966-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 20 Nov 2001, Karl F. Larsen wrote:

>
> I checked it out. No service in the west. Yet.

And sometimes web pages hosted at that ISP take forever to load.

thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring
and Drake Mail List Pages

Date: Tue, 20 Nov 2001 18:36:19 -0500
From: "ss lyon" <sslyon@megalink.net>
To: <david.gauding@bbs.galilei.com>, "chat qrp" <qrp-1@lehigh.edu>
Subject: [112358] Re: 160m QRP
Message-ID: <014d01c1721c\$28213440\$038798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'll be looking for you, Dave. I'll be using a 260' long wire, or a Kite
flown 160m J-Pole, depending on the night. I'll post when the kite is up.
Hope to get it all together in time for the Dec. 160m contest.

73

AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

----- Original Message -----

From: "David Gauding" <david.gauding@bbs.galilei.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, November 20, 2001 5:04 PM
Subject: Re: 160m QRP success?

> Hello Alan,

>

> I worked the following states on 160M during the winter of 1999: ND, LA,
> KY, AR, VA, IN, WV, IL, PA, OH, TX, WI, TN, OK, NE, MS, CO, MN, MI, NY.

> Both ragchews and contesting on CW are represented, and some states were
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> the tuner to the copper cold water inlet on the basement potty! <g>
>
> Regards,
>
>
>
> de Dave, NF0R nf0r@slacc.com
>
>
>
>
>

End of QRP-L Digest 2379

